

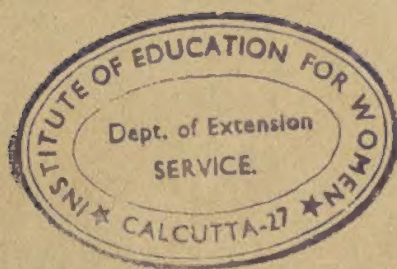
**THE FIRST  
MENTAL MEASUREMENT HANDBOOK  
FOR INDIA**



**NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING**



**THE FIRST  
MENTAL MEASUREMENT HANDBOOK  
FOR INDIA**



*h*

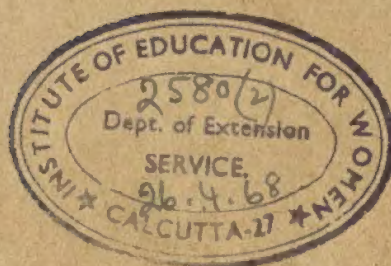
# **The First Mental Measurement Handbook For India**

*Editors*

**Louis Long**

**Perin H. Mehta**

152.8  
NCERT



Central Bureau of Educational and Vocational Guidance  
Department of Psychological Foundations  
National Council of Educational Research and Training



© National Council of Educational Research and Training, New Delhi.

August 1966—2000 copies

Price Rs. 8.30

Jacket designed by P.K. Ghose

Published by the Chief Publication Officer, National Council of Educational Research and Training,  
114, Sundar Nagar, New Delhi-11 and printed at Kapur Printing Press, Kashmere Gate, Delhi.



## FOREWORD

Lack of communication has been recognized to be an impediment to the growth of scientific research in India, and this is also true in the fields of education and psychology. Work on psychological tests has been going on in the university departments of psychology and in teacher training colleges for several decades. The activity has gained considerable momentum since the Secondary Education Commission strongly recommended the introduction of educational and vocational guidance services in secondary schools. It has also gained importance in the context of examination reform and the consequent effort to replace subjective examinations by objective standardized procedures. It was, therefore, necessary to collect and make available information about the large number of tests on which different persons have been working at different times in different parts of the country. Hence I feel that it was very appropriate for the National Council of Educational Research and Training to undertake the preparation of the First Handbook of Mental Measurement for India, concerned as the Council is with promoting educational research all over the country.

The Handbook gives a digest of a large number of tests which have been completed, as well as those in progress. This information, and the critical reviews of some of the tests which have been included in the Handbook, should prove very helpful to workers in the field in locating and evaluating different tests, and in coming to know about the work that is being carried on in institutions other than theirs. The Handbook will thus not only fulfil a need for communication but, it is hoped, also give direction to further work in this area. I welcome this Handbook as an important mile-stone in the history of test development in India.

L. S. CHANDRAKANT

Joint Director

National Council of Educational  
Research and Training

New Delhi  
August, 1966





## PREFACE

Research in education and psychology in India has been dominated by a concern for the development of achievement tests, psychological tests and allied instruments. There is, however, little published literature available on Indian tests, and many professional workers do not know about psychometric research being carried on in other states and, often, even about work being carried on within their own state. Test users are frequently at a loss to determine which tests would be suitable for their purpose or from where to obtain the tests or the information pertaining to them. One who succeeds in obtaining a specimen set of a test is not always in a more fortunate position, because the specimen test is not always accompanied by a manual, and the manuals too often do not give adequate standardization data.

There is thus a great need for better communication among professional workers in testing. The First Mental Measurement Hand-book for India attempts to meet this need to some extent, by making available organized information on tests developed in India and Indian adaptations or standardizations of foreign tests. The information covers not only tests which are commercially available to qualified users, and those available for restricted use, but also tests of which only specimens are available, and those on which work is in progress. The two latter categories have been covered in order to facilitate communication among researchers working on similar tests or projects, so that they may avoid duplication and cooperate for their mutual benefit. A number of test reviews have also been included in the Handbook in order to help the reader to evaluate the test more critically than can be done on the basis of the information contained in the test-abstracts alone.

The first systematic attempt to collect information about tests in India appears to have been made by Dr. Shib K. Mitra and Dr. A. Edwin Harper, Jr., who published their findings in the form of brief notes regarding psychometric research projects which were completed as well as those in progress, in the Psychometric Research News section of the Psychology News Bulletin brought out in 1956 by the Indian Statistical Institute, Calcutta. The publication of this Bulletin was discontinued shortly thereafter. Psychometric research notes which could not be published were brought up-to-date and published by Dr. Harper under the caption Psychometric Research News in the Journal of Vocational and Educational Guidance (Volume V, No. 4, May 1959). In a later issue of the Journal (Volume VI,



No. 1, August 1959), the notes which had already been reported in the Psychology News Bulletin were reproduced without change under the same caption.

The next attempt to collect information was made by Shri Veda Prakasha on behalf of the Government of India, Ministry of Education. Shri Veda Prakasha sent a questionnaire to 167 teacher-training colleges and to 37 other organizations including state bureaus of educational and vocational guidance, and received returns from some of them. The information, however, was not published and hence remained inaccessible to professional workers.

In this situation, we in the Central Bureau of Educational and Vocational Guidance perceived an opportunity to be of service to test users and researchers. In 1961 we were fortunate in having with us Dr. Louis Long, Consultant in Testing and Guidance, Teachers College, Columbia University Contract Team in India (on leave from the City College of the City of New York). Since Dr. Long was to be with us for about a year, it was possible for him to initiate a major project, and his discussions with us as well as with other professional workers in guidance and testing convinced him of the worthwhileness of launching on the collection and publication of information concerning Indian tests. The First Mental Measurement Handbook for India thus began to take shape under the guidance of Dr. Long.

At our request Shri Veda Prakasha permitted us to use the information which was with the Ministry of Education. As the standardization data supplied in response to his questionnaire were too sketchy to permit any evaluation, we wrote again to the institutions requesting them to supply us with the missing bits of information as well as specimen sets of the tests. Wherever possible we checked the information for accuracy and completeness against the specimen set. A test-abstract form for reporting the information was developed, and the information was transferred on to copies of this form. A classification scheme was developed, and each test was classified and assigned a code number.

A limited number of copies of the Handbook, containing only test-abstracts, were then mimeographed in connection with the Workshop on Long Range Planning in the Testing Field which was organized by the Central Bureau of Educational and Vocational Guidance at Bhopal in August, 1962. The Handbook was warmly received by the participants, who recommended that the information contained in it was valuable and should be published so as to make it available to a wider circle of professional workers. The participants also came forward with names of several tests which they had come across but which were not listed in the Handbook. It was also decided during the Workshop that the Central Bureau should make a fresh attempt to collect more information.



This was done during the remaining part of 1962 and during 1963. As a result, information about many more tests trickled in, which again was checked wherever possible, classified and included in the Handbook. Finding that information about certain tests was still not supplied by the institutions or authors concerned, the Central Bureau itself compiled the information in those cases where a source of some kind was available.

While every attempt was made to ascertain the accuracy of the information supplied by the authors or institutions, in many cases verification was not possible. The editors therefore do not take responsibility for the accuracy of the information. The information which had finally found its way on to the test-abstracts reflected the individuality in style and language of the large number of persons who had furnished the information (to give an example, 'correlation' was written in 12 different ways), including forms of expression which would not be considered appropriate in a publication. Hence a very considerable amount of work had to be done in editing the presentation of the material, but care has been taken not to alter the meaning.

The material in the Handbook has been organized in two parts. Part I consists of test-abstracts containing information about 326 tests. Of these, 100 were classified under intelligence, 96 under achievement, 60 under aptitude, 15 under interest, 45 under personality, and 10 under miscellaneous.

The classification scheme which is given at the outset explains the significance of the four digit code number attached to each test, and should be studied by the user of the Handbook. It will help him in locating tests falling within any particular classification. Two indices have also been included in the Handbook for the user's convenience. The Index of Tests is an alphabetic listing of the tests, with the code number preceding the test, and the page on which the test-abstract commences mentioned in the parentheses following the test. Tests which have been reviewed in the Handbook are indicated by the letter 'R' in the parentheses, followed by the number of the page on which the review appears. The Index of Test Authors is designed to help the reader in locating a test when he knows the name of the author but not that of the test. The names of the authors, listed alphabetically, are followed by the code numbers of all their tests which are abstracted in the Handbook. In order to aid the reader in locating tests in a particular language, the language of the test, wherever known, has been mentioned in the upper right hand corner of the test-abstract.

Part II of the Handbook contains reviews of 42 of the tests, prepared at the Workshop on Long Range Planning in the Testing Field. Since this is the first time that critical reviews of a number of Indian tests have been



brought together in one publication, it may not be amiss to write a few words about this feature of the Handbook.

The primary purpose of preparing these reviews during the Workshop was to ascertain how many really satisfactory tests already existed in each of the classified areas, so that the participants could develop their thinking regarding the need for further work in these areas and the priorities to be assigned. The question of publishing the reviews was discussed during the Workshop and the consensus of opinion was that to do so would be a service to the profession. It was felt that the publication of frank reviews would not only assist test users in making a more discriminating selection from among a number of tests which may be available to them, but that it would also motivate test authors and publishers to set high standards for their tests before publishing them. The participants also felt that the publishing of the reviews would help to bring home to authors and publishers the need for publishing test manuals giving all the relevant details about the test which a professional user would like to know. Moreover, a frank review may also help the author of the test by suggesting to him the directions in which further work could be done to improve the quality of the instrument. Research scholars would also, it was hoped, be helped by the reviews in locating promising tests on which they could do further work to meet the requirements of a university degree, instead of starting from scratch on a new test in an area in which a number of promising beginnings had already been made.

The reader will perhaps be interested in knowing about the procedure followed in the preparation of the reviews. The reviews were prepared by the participants (including two observers) of the Workshop, all of whom possessed sufficient competence to undertake the task and many of whom were persons well known for their work in psychometrics. The reviewers first went through all the specimen sets of tests and decided which of them were complete enough to be reviewed. Forty-two tests were so selected. They also studied a model schedule for evaluation and some model reviews. The participants then formed pairs, and tests were assigned to each pair on the basis of familiarity with the language of the test. Most of the tests were thus reviewed in the first instance by a pair of reviewers who studied the material carefully and exchanged their views, the resulting review incorporating only the points on which they arrived at an agreement. Only in a very few cases was a test reviewed by one person alone, and this happened because no other participant had sufficient familiarity with the language of the test. The participants then re-grouped themselves into three committees, and each committee considered the reviews of all the tests in the area (s) assigned to it consulting the original reviewers as well as the specimen material and test-abstracts. The committee modified the reviews in several cases, so that the reviews finally presented by them represented the opinion of the entire



committee. The chairman of the committees then presented the reviews at a plenary session, where all the reviews were approved. The reviews thus represent the consensus of opinion of the entire group of Workshop participants. The group also resolved that the reviews should be published under the sponsorship of the entire group of participants, and the names of the original pairs of reviewers should not be published, since the final review in some cases was a modification of the original.

It will thus be seen that a good deal of care and thought went into the preparation of the reviews published in this Handbook. Notwithstanding this fact, the participants of the workshop and the editors of the Handbook wish to acknowledge freely that the reviews, having been prepared under certain limiting circumstances, may in some instances be too harsh or too lenient. In the first place, the reviews were based almost exclusively on the specimen sets and information contained in the test-abstracts which had been supplied to the Central Bureau. (In a few cases entire theses had been supplied, but these were not read because authors are expected to cull all relevant information from the theses and present it in the manuals; neither test-users nor reviewers can be expected to wade through bulky theses). It is possible that in a few cases there may have been supplementary information which, had it been made available, may have altered the reviewers' opinions. Also, the reviews refer to the tests at the stage of development which they had reached in 1962; the authors may have later affected improvements in them. Then again, the reviews had to be prepared within a limited time. It must also be clarified that not all the tests reviewed have been published, and not all those published have necessarily been made available to professional workers for unrestricted use with clients. In other words, the authors of some of the tests reviewed here have claimed that their instruments were of a standard considered adequate for use with clients. Normally, of course, a test does not get reviewed until its author has made it available commercially, either for restricted or unrestricted use. The reasons for the group's decision to publish the reviews even though some of the tests were not commercially released, have been explained in an earlier paragraph. The reader is urged to bear these limitations in mind while going through the reviews.

The preparation of this Handbook has only been possible because of the help and encouragement we received from many sources. Grateful thanks are expressed to the many persons and institutions who gave so generously their time to supply the information about their tests; to Shri Veda Prakasha of the Ministry of Education who graciously made available the information collected by him; to the participants of the Workshop on Long Range Planning in the Testing Field who worked long hours to prepare the reviews; to Dr. Shib K. Mitra, Head of the Department of Psychological Foundations, for his valuable advice and



encouragement in the later phases of the project; and to Shri R.P. Bhatnagar and Shri P. Rohila of the Central Bureau who assisted on the project.

The Department of Psychological Foundations hopes to bring out supplements to this Handbook from time to time, and a revised edition when it seems warranted. Information about tests, and suggestions for the addition of new features to increase the utility of the Handbook, will therefore be most welcome.

Delhi,  
August 1966

PERIN H. MEHTA



## CONTENTS

Foreword	...	...	...[ iii ]
Preface	...	...	... [ v ]

### PART ONE

#### Test Abstracts

Classification Scheme	...	...	... 3
Intelligence Tests	...	...	... 5
Achievement Tests—Languages	...	...	... 137
Achievement Tests—Social Sciences	...	...	... 171
Achievement Tests—Mathematics and Science	...	...	... 187
Aptitude Tests	...	...	... 249
Interest and Value Tests	...	...	... 333
Personality Tests	...	...	... 357
Miscellaneous	...	...	... 415

### PART TWO

#### Test Reviews

Review Committees	...	...	... 433
Index of Tests	...	...	... 490
Index of Test Authors	...	...	... 501



**PART ONE**  
**TEST-ABSTRACTS**



**Classification Scheme\***

**COLUMN  
NUMBER**

**1 2 3 4**

**1 Intelligence Tests**

- 1 Verbal—Individual
- 2 Verbal—Group
- 3 Non-verbal—Individual
- 4 Non-verbal—Group
- 5 Both Verbal and Non-verbal—Individual
- 6 Both Verbal and Non-verbal—Group

**2 Achievement Tests—Languages**

- 1 Assamese
- 2 Bengali
- 3 Dogri
- 4 English
- 5 Gujarati
- 6 Hindi
- 7 Kannada
- 8 Kashmiri
- 9 Malayalam

**3 Achievement Tests—Languages (continued)**

- 1 Marathi
- 2 Oriya
- 3 Punjabi
- 4 Tamil
- 5 Telugu
- 6 Urdu

**4 Achievement Tests—Social Sciences**

- 1 Social Science, General
- 2 Economics
- 3 History
- 4 Geography

**5 Achievement Tests—Mathematics and Science**

- 1 Algebra
- 2 Arithmetic
- 3 Chemistry



# COLUMN NUMBER

1 2 3 4

- 4    Geology
- 5    Geometry
- 6    Hygiene
- 7    Mathematics
- 8    Physics
- 9    Science, General

## 6    Aptitude Tests

- 1    Clerical
- 2    Geometrical Drawing
- 3    Literary Aptitude
- 4    Mechanical
- 5    Numerical Ability
- 6    Reasoning Ability
- 7    Scholastic Ability
- 8    Scientific Ability
- 9    Manual and Finger Dexterity

## 7    Aptitude Tests (continued)

- 1    Spatial Relations
- 2    Special Aptitude Tests
- 3    Batteries of Aptitude Tests

## 8    Interest and Value Tests

- 1    Interest Inventories and Checklists
- 2    Value Scales

## 9    Personality Tests

- 1    Projective Tests
- 2    Inventories, Questionnaires and Checklists
- 3    Sociometric Tests

## 10    Miscellaneous

---

\* Each test has been assigned a four place number. The thousand's digit represents a broad classification (see entry in column number 1); the hundred's digit represents a sub-classification (these differ from one broad classification to another; see entry in column number 2); the ten's and unit's digits identify the particular test (these numbers are not shown here).



## **INTELLIGENCE TESTS**

( 1101 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | <b>A Survey of Intelligence of the Children of University Experimental High School, Baroda</b> |
| 2. Author :   | <b>B. L. Shah</b>  |
| 3. Nature of the test<br>(verbal, non-verbal,<br>performance, etc.) :                             | <b>Verbal</b>  |
| 4. Group or individual :  | <b>Individual</b>  |
| 5. Age or age range for which<br>meant :  | <b>5 to 17 years</b>   |
| 6. Number of sub-tests and items<br>under each :  | <b>6 items in each of the tests for different<br/>age-levels</b>                               |
| 7. Time required to administer<br>each of the sub-tests and the<br>test as a whole :              |  |
| 8. Whether any shock absorber<br>or practice items included in<br>the tests :                     | <b>Yes</b>   |
| 9. Size of the sample on which<br>standardized :  | <b>166 students</b>  |
| 10. Reliability coefficient and the<br>method used for reliability<br>determination :             |  |
| 11. Validity coefficient and the<br>criterion used :  |  |
| 12. Important studies in which the<br>test may have been used and<br>important findings thereof : |  |
| 13. Norms, key and any other sup-<br>plementary material :  |  |
| 14. Price :   |  |
| 15. Source from which available :   | <b>Faculty of Education and Psychology,<br/>M.S. University Baroda</b>                         |
| 16. Any other information   |  |
| 17. Institution submitting inform-<br>ation :   | <b>Faculty of Education and Psychology,<br/>M. S. University, Baroda</b>                       |



( 1102 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Standardization of a Test for Pre-school Children |
| 2. Author :   | Jerbanu Sethna                                    |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   |   |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Indian Institute of Education, Chembur, Bombay-71 |

( 1103 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Intelligence Tests for Gujarati Children</b>          |
| 2. Author :   | <b>N. N. Shukla</b>                                      |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal</b>  |
| 4. Group or individual :  | <b>Individual</b>  |
| 5. Age or age range for which :<br>meant :  | <b>3 to 16 years</b>                                     |
| 6. Number of sub-tests and items under each :   | <b>6 sub-tests for each age-group</b>                    |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>About 1 hour and 30 minutes</b>                       |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>No</b>  |
| 9. Size of the sample on which standardized :   | <b>1247</b>  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   | <b>Rs. 5.00</b>  |
| 15. Source from which available :   | <b>Gujarat Research Society, Khar, Bombay-52</b>         |
| 16. Any other information :   |  |
| 17. Institution submitting Information :  | <b>Indian Institute of Education, Chembur, Bombay-71</b> |



( 1104 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Hindustani Binet—Performance Point Scale</b>  |
| 2. Author :   | <b>C. Herbert Rice</b>   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Performance  |
| 4. Group or individual :  | Individual   |
| 5. Age or age range for which meant :   | 5 to 16 years  |
| 6. Number of sub-tests and items under each ;   | 35 sub-tests, 7 additional sub-tests   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Different for different items  |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 1070 boys  |
| 10. Reliability coefficient and the method used for reliability determination :             | (i) Split-half reliability=.73 (N=332) ;<br>(ii) Test-retest reliability=.89 (N=144)   |
| 11. Validity coefficient and the criterion used :   | Correlations of H. I. Q's with school marks by ages range from —.696 to +.46. Correlations of H. I. Q's with teachers' estimates of intelligence by ages range from —.83 to +.36 |
| 12. Important studies in which the test may have been used and important findings thereof : | Nil  |
| 13. Norms, key and any other supplementary material :                                       | Point scale norms, Mental Age and Hindustani Intelligence Quotient (H. I. Q.) norms from ages 5 to 16 are given  |
| 14. Price :   |  |
| 15. Source from which available :   | Princeton : University Press ; London : Humphrey Milford, Oxford University Press  |
| 16. Any other information :   |  |

17. Institution submitting information :

Information compiled by the Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33 Chhatra Marg, Delhi-7, from the book *Hindustani Binet Performance Point Scale* by Dr. C. Herbert Rice, Oxford University Press, 1929



( 1105 )

Kannada

- |   |  |
|---|--|
| 1. Name of the test :   | Hindi Hudugara Buddhimapanavu (Adaptation of Stanford Binet Test in Kannada)                                   |
| 2. Author :   | V. V. Kamat  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Individual   |
| 5. Age or age range for which meant :   | 3 years to adulthood   |
| 6. Number of sub-tests and items under each :   | 6 tests for each age group from 3 to very superior adult level   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 3 minutes for each sub-test. About 1 hour and 30 minutes for the whole test                              |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | More than 1000   |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   | With teachers' estimates, .5   |
| 12. Important studies in which the test may have been used and important findings thereof : | The Gujarati adaptation of the scale was used on Gujarati children. Results tally very closely                 |
| 13. Norms, key and any other supplementary material :                                       | All information is given in <i>Measuring Intelligence of Indian Children</i> Oxford University Press, Bombay-1 |
| 14. Price :   | Rs. 5.00 for booklet. Rs. 1.50 for packet of test material   |
| 15. Source from which available :   | Purohit and Purohit, Manufacturers, Shukrawar Peth, Poona-2  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | V. V. Kamat, 136 G. Girgaum Road, Bombay-4   |

( 1106 )

Marathi

- |   |  |
|---|--|
| 1. Name of the test :   | Hindi Mutanchen Buddhimapan (Adaptation of Stanford Binet Test in Marathi)                                     |
| 2. Author :   | V. V. Kamat  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal   |
| 4. Group or individual :  | Individual   |
| 5. Age or age range for which meant :   | 3 years to adulthood   |
| 6. Number of sub-tests and items under each :   | 6 tests for each age group from 3 to very superior adult level   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 3 minutes for each sub-test. About 1 hour and 30 minutes for the whole test                              |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | More than 1000   |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   | With teachers' estimates, .5   |
| 12. Important studies in which the test may have been used and important findings thereof : | The Gujarati adaptation of the scale was used on Gujarati children. Results tally very closely                 |
| 13. Norms, key and any other supplementary material :                                       | All information is Given in <i>Measuring Intelligence of Indian Children</i> Oxford University Press, Bombay-1 |
| 14. Price :   | Rs. 5.00 for booklet. Rs. 1.50 for packet of test material   |
| 15. Source from which available :   | Purohit and Purohit, Manufacturers, Shukrawar Peth, Poona-2  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | V. V. Kamat, 136 G. Girgaum Road, Bombay-4   |



( 1201 )

Kannada

1. Name of the test : **Group Test of Intelligence for High School Students**
2. Author : **Chinnamma Satyananda**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which it is meant : **12 to 16 years**
6. Number of sub-tests and items under each : **Eight sub-tests. Sub-test (1) Classification, 12 items ; (2) Best Answer 10 ; (3) Arithmetic Problems 12 ; (4) Logical Selection 10 ; (5) Opposites 14 ; (6) Riddles 10 ; (7) Number Series 16. Total items 100**
7. Time required to administer each of the sub-tests and the test as a whole **Classification 5 minutes ; Best Answer 5 minutes ; Arithmetic Problems 7 minutes ; Logical Selection 6 minutes ; Opposites 4 minutes ; Riddles 3 minutes ; Number Series 4 minutes ; Analogies 6 minutes. Total time 40 minutes. 15 minutes for instructions**
8. Whether any shock absorber or practice items included in the test : **No. Only one example under each sub-test is worked out**
9. Size of the sample on which standardized : **3067 high school students studying in all the three classes (both boys and girls included) Boys 2115. Girls 952**
10. Reliability coefficient and the method used for reliability determination : **(i) Split-half reliability, .93 ; (ii) Rational equivalence reliability, .89**
11. Validity coefficient and criterion used : **(i) Against teachers' ratings, .62. (ii) Against first terminal examination marks, .73**
12. Important studies in which the test may have been used and important findings thereof : **Some studies are being undertaken now**

13. Norms, key and any other supplementary material : (i) Grade norms (Age norms being developed). (ii) Percentile norms. (iii) Inter-correlation coefficients of the sub-tests. (iv) A tentative manual
14. Price Not for sale. The test is for the use of the Bureau of Educational and Vocational Guidance, Mysore State
15. Source from which available : Bureau of Educational and Vocational Guidance, No. 27, V Block, Kumara Park West Extension, Bangalore-20
16. Any other information : The test was administered to 2501 high school pupils (2017 boys and 484 girls) studying in 14 high schools situated in various parts of Bangalore City (Mysore State) for the purpose of restandardisation with a view to establishing age norms
- Norms for age groups 12 to 16 have been determined. But the values cannot be taken to be quite reliable, because statements of the pupils regarding age are not quite dependable
- A comparative study of test scores of S. S. L.C. students with reference to their Public Examination marks of March 1961 was made. The correlation coefficient was found to be 0.53
- In this connection, a further study of top students in the test was taken up to find out how they fared in the Public Examination. It was found out that 48.4% of the top pupils in the test scored 1st class marks in the examination
- It is proposed by the Bureau to take up a study of prediction of Public Examination results of 1962 on the basis of test results.
17. Institution submitting information : Bureau of Educational and Vocational Guidance, Bangalore



( 1202 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | C.I.E. Verbal Group Test of Intelligence, T 2   |
| 2. Author :   | Central Institute of Education  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 11 plus to 12 plus  |
| 6. Number of sub-tests and items under each :   | 80 items in all, 11 types of items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 40 minutes (sub-tests are not timed separately)   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 1420 children   |
| 10. Reliability coefficient and the methods used for reliability determination :            | (i) Split-half reliability coefficient (corrected by Spearman-Brown Formula) .94 for 12 plus ; .95 for 11 plus ; (ii) Test-retest reliability of .88 for a sample of 94   |
| 11. Validity coefficient and the criterion used :   | (a) $r$ .53 for a sample of 90 against the criterion of average of two independent assessments of intelligence by two teachers ; (b) $r$ .53 for a sample of 94 against the criterion of scores on Non-verbal Test of Intelligence by J.W. Jenkins ; (c) $r$ .61 for a sample of 60 against the criterion of scores on Raven's Matrices |
| 12. Important studies in which the test may have been used and important findings thereof : | Not known   |
| 13. Norms, key and any other supplementary material :                                       | Not yet published   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Central Institute of Education, 33, Chhatra Marg, Delhi-7   |

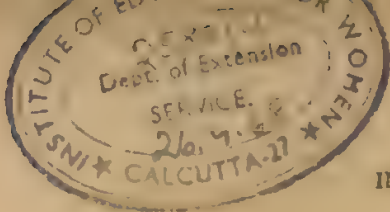
(1203)

Hindi

1. Name of the test : C.I.E. Verbal Group test of Intelligence, T 3
2. Author : Central Institute of Education
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : 13 plus
6. Number of sub-tests and items under each : Eleven types of questions with 85 items in all
7. Time required to administer each of the sub-tests and the test as a whole : Test as a whole, 35 minutes (sub-tests are not timed separately)
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : 1214 boys and girls
10. Reliability coefficient and the methods used for reliability determination : (i) Split-half reliability coefficient corrected for the entire length .97 ; (ii) Test-retest reliabilities vary from .73 to .87
11. Validity coefficient and the criterion used : Coefficients of correlation with : (a) average school marks .33 (N=148) ; .42 (N=248) ; (b) average of three independent assessments of intelligence by teachers .60 (N=174) ; (c) Non-verbal Test of Intelligence (Jenkins) .71 (N=164) ; (d) Raven's Matrices .43 (N=164)
12. Important studies in which the test may have been used and important findings thereof : Nothing is available with the author.
13. Norms, key and any other supplementary material : Manual of instructions with key and norms is available for Re. 0. 50. Standard score norms separately for boys and girls are available
14. Price : Re. 0.10 per test booklet
15. Source from which available : Central Institute of Education, 33, Chhatra Marg, Delhi-7



16. Any other information : A complete report on construction and standardization has been published as CIE Publication No. 38 and is available for Rs. 1.50 from Atma Ram & Sons, Kashmere Gate, Delhi-6
17. Institution submitting information : Central Institute of Education, 33, Chhatra Marg, Delhi-7



## INTELLIGENCE TESTS

19

( 1204 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | C.I.E. Verbal Group Test of Intelligence, T 4   |
| 2. Author :   | Central Institute of Education  |
| 3. Nature of the Test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 14 plus   |
| 6. Number of sub-tests and items under each :   | 11 types of items with 80 items in all  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-tests are not timed separately. 35 minutes for test as a whole.   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 850 children  |
| 10. Reliability coefficient and the method used for reliability determination :             | (i) Split-half reliability corrected by Spearman-Brown formula .97 ; (ii) Test-retest reliabilities vary from .79 to .95  |
| 11. Validity coefficient and the criterion used :   | (a) With Non-verbal Test of Intelligence by J.W. Jenkins, $r=.77$ for a sample of 43 boys, .37 for a sample of 89, .69 for a sample of 92 boys and girls ; (b) with Raven's Matrices, $r=.39$ for a sample of 277 ; (c) with teachers' estimates, $r=.47$ for a sample of 87 ; (d) with school-marks $r=.56$ for a sample of 87 |
| 12. Important studies in which the test may have been used and important findings thereof : | Not known   |
| 13. Norms, key and any other supplementary material :                                       | Standard score norms are available for boys and girls   |
| 14. Price :   |   |
| 15. Source from which available :   | Central Institute of Education  |
| 16. Any other information :   | Published   |
| 17. Institution submitting information :  | Central Institute of Education, 33 Chhatra Marg, Delhi-7  |

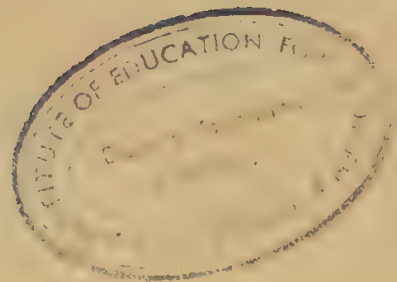
( 1205 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Desai Group Tests of Intelligence</b>  |
| 2. Author :   | Krishnakant G. Desai  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 12 to 18 years  |
| 6. Number of sub-tests and items under each :   | 10 sub-tests. Sub-test 1 : 25 items ; 2 : 20 ; 3 : 25 ; 4 : 25 ; 5 : 20 ; 6 : 10 ; 7 : 20 ; 8 : 25 ; 9 : 20 ; 10 : 20   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-test 1 : 3 minutes ; 2 : 3 ; 3 : 9 ; 4 : 5 ; 5 : 8 ; 6 : 7 ; 7 : 8 ; 8 : 3 ; 9 : 5 ; 10 : 6. Instructions : 5 minutes. Practice test : 3 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes. One practice test of four items  |
| 9. Size of the sample on which standardized :   | 4735 boys and 4770 girls ; total 9,505 pupils   |
| 10. Reliability coefficient and the method used for reliability determination :             | (i) Test-retest reliability .77 ; (ii) Split-half reliability .94   |
| 11. Validity coefficient and the criterion used :   | 'r' with teachers' opinion .53 ; with examination marks .42   |
| 12. Important studies in which the test may have been used and important findings thereof : | The tests have been adopted for primary school teachers. Separate norms for Bombay have been established by the Gujarat Research Society. The tests have been used in many studies where intelligence needed to be measured |
| 13. Norms, key and any other supplementary material :                                       | Contained in <i>The Construction and Standardization of A Battery of Group Tests of Intelligence in Gujarati</i> by K.G. Desai, published by M/s Bharat Prakashan, 44 Kalyan Bhavan, Tilak Road, Ahmedabad-1                |



14. Price : Re. 0.25 per copy
15. Source from which available : M/s Bharat Prakashan, 44 Kalyan Bhavan,  
Tilak Road, Ahmedabad-1
16. Any other information :
17. Institution submitting information : A.G. Teachers, College, Ahmedabad-9



( 1206 )

Telugu

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Verbal Group Test of Intelligence</b>   |
| 2. Author :   | Abdul Khuddus  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 10 to 15 years   |
| 6. Number of sub-tests and items under each :   | 8 sub-tests with items ranging between 20 and 25 for sub-tests I to V and between 10 and 20 for sub-tests VI to VIII |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | It ranges between 5 to 9 minutes for each sub-test. Total time for the entire battery is 1 hour                      |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items   |
| 9. Size of the sample on which standardized :   | 270  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability corrected by Spearman-Brown formula .97   |
| 11. Validity coefficient and the criterion used :   | Contingency coefficient .63 with teachers' estimates   |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Available  |
| 14. Price :   |  |
| 15. Source from which available :   |  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Government Training College, Kurnool   |

( 1207 )

Bengali

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Intelligence Test C</b>  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of grades V and VI (i.e., age-group 10-11)   |
| 6. Number of sub-tests and items under each :   | 54 items in six sub-tests.  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes in all (with separate timings for different sub-tests)   |
| 8. Whether any shock absorber or practice items included in the test :                      | One or two examples precede the sub-tests   |
| 9. Size of the sample on which standardized :   | 113   |
| 10. Reliability coefficient and the method used for reliability determination :             | Reliability coefficient by the Test-retest method (6 months interval) on a sub-sample (of the original sample) of 28 pupils of class V came out to be .46 |
| 11. Validity coefficient and the criterion used :   | Correlation of .46 with school attainment as the criterion for a sample of 113 pupils   |
| 12. Important studies in which the test may have been used and important findings thereof : | Primarily meant for selection of pupils for admission to class V. It is now being used at the Child Guidance Centre of the Bureau                         |
| 13. Norms, key and any other supplementary material :                                       | Provisional norms are available   |
| 14. Price :   | Not fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta-19  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19  |



( 1208 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Verbal Group Test of General Knowledge and General Intelligence (1958, 1959 and 1960) |
| 2. Author :   | Manovigyan Shala, U.P   |
| 3. Nature of the test (verbal, Non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For adults  |
| 6. Number of sub-tests and items under each :   | 100   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary materials :                                      | Tentative norms, key and instructions for administration are available                |
| 14. Price :   | Unpriced  |
| 15. Source from which available :   | Manovigyan Shala, U. P.   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U. P.  |

( 1209 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Verbal Group Test of Intelligence for 10 plus in Hindi (B.P.T. 6)  |
| 2. Author :   | Manovigyan Shala, U.P.   |
| 3. Nature of the test (verbal, non-verbal, performance, etc :) :                            | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 10 plus  |
| 6. Number of sub-tests and items under each :   | 50   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items   |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Norms, key and instructions for administration are available   |
| 14. Price :   | Unpriced.  |
| 15. Source from which available :   | Manovigyan Shala, U. P.  |
| 16. Any other information :   | This test was first prepared in 1949. It has now been revised and is being used in selection for admission to class VI of Government Higher Secondary Schools in Uttar Pradesh |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U. P.   |

( 1210 )

Hindi

1. Name of the test : Verbal Group Test of Intelligence for 12 plus in Hindi (B. P. T. 12)
2. Author : Manovigyan Shala, U. P.
3. Nature of the test (verbal, non-verbal, performance, etc.) Verbal
4. Group or individual : Group
5. Age or age range for which meant : It is meant for children of 12 plus studying in class VII and above in junior high schools and higher secondary schools of Uttar Pradesh. It is not meant for twelve-year-olds who are in class VI and below and should not be applied to them
6. Number of sub-tests and items under each : 100
7. Time required to administer each of the sub-tests and the test as a whole : 45 minutes
8. Whether any shock absorber or practice items included in the test : Practice items
9. Size of the sample on which standardized : The test was standardized on 1970 children of 12 plus studying in 69 junior high schools and higher secondary schools of Uttar Pradesh, spread over all the five educational regions of the State. The sample was fairly representative
10. Reliability coefficient and the method used for reliability determination : The reliability coefficient of the test as calculated by the Split-half (odd-even) method and corrected by Spearman-Brown formula for random sample of 100 children selected from the standardization sample of 1,970 children is .97. It corresponds to a standard error of 2.52 points for a child's I.Q.
11. Validity coefficient and the criterion used :



12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :

The method employed in setting up the norms is that given by Thompson. A table of norms in terms of I. Q.'s for the test is reported in the manual. Key and instructions for administration have also been given
14. Price :

Unpriced
15. Source from which available :

Manovigyan Shala, U. P.
16. Any other information :

The Manovigyan Shala started the construction and standardization programme of B.P.T. 12 in 1952 and finally it was published in 1953. It discriminates more or less uniformly at all levels of intelligence
17. Institution submitting information :

Manovigyan Shala, Allahabad, U. P.

( 1211 )

**Hindi**

1. Name of the test : **Verbal Group Test of Intelligence for 12 plus in Hindi (B. P. T. 7)**
2. Author : **Manovigyan Shala, U.P.**
3. Nature of the test (verbal, non-verbal, performance, etc.) **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **For pupils of 13 plus of Uttar Pradesh**
6. Number of sub-tests and items under each : **100**
7. Time required to administer each of the sub-tests and the tests as a whole : **45 minutes**
8. Whether any shock absorber or practice items included in the test : **Practice items**
9. Size of the sample on which standardized : **The test was standardized on more than 1000 children of 13 plus of 30 higher secondary schools of Uttar Pradesh studying in class VII and above. The sample was reasonably representative**
10. Reliability coefficient and the method used for reliability determination : **Reliability coefficient of the test as calculated by the Split-half method and corrected by the Spearman-Brown Prophecy formula is .97. It corresponds to a standard error 2.72 for a child's I.Q.**
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Norms and the manual for this test have been specifically designed to be a valuable guide to students learning the construction of and standardization of verbal group tests of intelligence. In this respect**

it is different from the routine type of manuals. Norms in terms of I.Q.'s have been reported in the manual. Instructions for administration are the same as those for B.P.T. 12. Key is available separately

14. Price :

Unpriced

15. Source from which available :

Manovigyan Shala, U. P.

16. Any other information :

The Manovigyan Shala started work on construction and standardization of this test in 1950. The revised form of this test was published finally in 1955. It is an omnibus test and has been patterned generally after the well-known Moray House Group Test of Intelligence and the Group Test of Intelligence for 11 plus constructed and standardized in India by Dr. Sohan Lall. It is designed to give an estimate of intelligence of the pattern now commonly accepted as valid for verbal group tests of intelligence, i.e., a combination of the 'g' and 'v' abilities. It is more discriminative at the higher levels of intelligence than the lower ones

17. Institution submitting information :

Manovigyan Shala, Allahabad, U.P.



( 1212 )

Hindi

1. Name of the test : C. I. E. Verbal Group Test of Intelligence, T6 (15-16)
2. Author : Central Institute of Education
3. Nature of the tests (verbal, non-verbal, performance, etc :) Verbal
4. Group or individual : Group
5. Age or age range for which meant : 15 to 16 years
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available :
16. Any other information : The test is not yet finalized
17. Institution submitting information : Central Institute of Education, 33 Chhatra Marg, Delhi-7

( 1213 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Verbal Group Test of Intelligence for Class VII in Hindi (B.P.T. 13 Form A)   |
| 2. Author :   | Manovigyan Shala, U.P.  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class VIII  |
| 6. Number of sub-tests and items under each :   | 100   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 45 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Norms, key and instructions for administration are available. The manual of the test will soon be published   |
| 14. Price :   | Unpriced  |
| 15. Source from which available :   | Manovigyan Shala, U.P.  |
| 16. Any other information :   | As the population of class VIII students is extremely heterogenous and also as the age-wise test did not give very satisfactory results when tried on a group of students studying in the same class it was decided to prepare a common test for all students of class VIII irrespective of age |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U.P.   |

( 1214 )

**Hindi**

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Verbal Group Test of Intelligence for 16 plus in Hindi (B.P.T. 10)</b>                                |
| 2. Author :   | Manovigyan Shala, U.P.   |
| 3. Nature of the test (verbal, non-verbal, performance etc.) :                              | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 16 plus  |
| 6. Number of sub-tests and items under each :   | 150  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |  |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items   |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms, key and instructions for administration are available                                   |
| 14. Price :   | Unpriced   |
| 15. Source from which available   | Manovigyan Shala, U.P.   |
| 16. Any other information :   | The Manovigyan Shala constructed B.P.T.-10 in 1950. It has not yet been published in a standardized form |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U.P.  |

( 1215 )

Hindi

1. Name of the test : Verbal Group Test of Intelligence for 15 plus in Hindi (B.P.T. 9)
2. Author : Manovigyan Shala, U.P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : 15 plus
6. Number of sub-tests and items under each : 150
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test : Practice items
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Tentative norms, key and instructions for administration are available
14. Price : Unpriced
15. Source from which available : Manovigyan Shala, U.P.
16. Any other information : The Manovigyan Shala constructed B.P.T. 9 in 1950. It has not yet been published in a standardized form
17. Institution submitting information : Manovigyan Shala, Allahabad, U.P.



# THE FIRST MENTAL MEASUREMENT HANDBOOK

(1216)

Hindi

1. Name of the test : Verbal Group Test of Intelligence for Class VIII in Hindi (B.P.T. 13, Form B)  
Manovigyan Shala, U.P.
2. Author :
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : For pupils of class VIII
6. Number of sub-tests and items under each : 100
7. Time required to administer each of the sub-tests and the test as a whole : 45 minutes
8. Whether any shock absorber or practice items included in the test : Practice items
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Norms, key and instructions for administration are available. The manual of the test shall soon be published  
Unpriced  
Manovigyan Shala, U.P.
14. Price :
15. Source from which available :
16. Any other information : As the population of class VIII students is extremely heterogeneous and also as the age-wise tests did not give very satisfactory results when tried on a group of students studying in the same class it was decided to prepare a common test for all students of class VIII irrespective of ages. This test was constructed in 1958
17. Institution submitting information : Manovigyan Shala, Allahabad, U.P.

( 1217 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | N. G. T. S.'s Intelligence Test (1957) in Hindi.   |
| 2. Author :   | Manovigyan Shala, U.P.   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of classes X and XII  |
| 6. Number of sub-tests and items under each :   | 100  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items   |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms converting the raw scores into standard scores, key and instructions for administration in Hindi are available |
| 14. Price :   | Unpriced   |
| 15. Source from which available :   | Manovigyan Shala, U.P.   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U. P.   |

( 1218 )

Hindi

1. Name of the test : Verbal Group Test of General Intelligence in Hindi (1958-59)
2. Author : Manovigyan Shala, U.P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : For pupils of classes X and XII
6. Number of sub-tests and items under each : 100
7. Time required to administer each of the sub-tests and the test as a whole : 45 minutes
8. Whether any shock absorber or practice items included in the test : Practice items
9. Size of the Sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Tentative norms converting the raw scores into standard scores, key and instructions for administration in Hindi are available
14. Price : Unpriced
15. Source from which available : Manovigyan Shala, U.P.
16. Any other information :
17. Institution submitting information:- Manovigyan Shala, Allahabad, U. P.

( 1219 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Verbal Group Test of General Knowledge and General Intelligence (1959) |
| 2. Author :   | Manovigyan Shala, U.P.   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of classes X and XII  |
| 6. Number of sub-tests and items under each :   | 100  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items   |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms, key and instructions for administration are available |
| 14. Price :   | Unpriced   |
| 15. Source from which available :   | Manovigyan Shala, U.P.   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U.P.                                      |



( 1220 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Verbal Group Test of General Intelligence (1959)                       |
| 2. Author :   | Manovigyan Shala, U.P.   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of classes X and XII  |
| 6. Number of sub-tests and items under each :   | 100  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items   |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms, key and instructions for administration are available |
| 14. Price :   | Unpriced   |
| 15. Source from which available :   | Manovigyan Shala, U.P.   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U.P.                                      |

( 1221 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Verbal Group Test of Intelligence (1960 and 1961)                      |
| 2. Author :   | Manovigyan Shala, U.P.   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of classes X and XII  |
| 6. Number of sub-tests and items under each :   | 100  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items   |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms, key and instructions for administration are available |
| 14. Price :   | Unpriced   |
| 15. Source from which available :   | Manovigyan Shala, U.P.   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U.P.                                      |

( 1222 )

Telugu

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Group Test of Intelligence in Telugu</b>  |
| 2. Author :   | Bureau of Educational and Vocational Guidance, Hyderabad, Andhra Pradesh   |
| 3. Nature of the test (verbal, non-verbal, preformance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 10 to 16 years   |
| 6. Number of sub-tests and items under each :   | 6 sub-tests  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole : 1 hour and 26 minutes.<br>Time for sub-tests 1 : 12 minutes ; 2 : 10 ;<br>5. : 10 ; 4 : 12 ; 5 : 20 ; 6 : 22 |
| 8. Whether any shock absorber or practice items included in the test :                      |  |
| 9. Size of the sample on which standardized :   | 2,500 for the first try-out and 25,000 for the final test  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   |  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Bureau of Educational and Vocational Guidance, Hyderabad, Andhra Pradesh   |

( 1223 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P. R. W. Test 4</b>                                      |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | General knowledge test                                      |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 64 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole, 45 minutes                                 |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 800   |
| 10. Reliability coefficient and the method used for reliability determination :             | .84   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with the Psychological Research Wing              |
| 14. Price :   |   |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi |



( 1224 )

English

- |   |   |
|---|---|
| 1. Name of the test   | <b>P. R. W. Test 2</b>                                      |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal test of intelligence                                 |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 60 items in seven parts                                     |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole, 36 minutes                                 |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice sets   |
| 9. Size of the sample on which standardized :   | 700   |
| 10. Reliability coefficient and the method used for reliability determination :             | .81   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with the Psychological Research Wing              |
| 14. Price :   | Classified—not for sale                                     |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi |

( 1225 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | P. R. W. Test 1   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal test of intelligence                                     |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 24 items in two parts   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 4 minutes and 13 minutes for part one and part two respectively |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice sets   |
| 9. Size of the sample on which standardized :   | 700   |
| 10. Reliability coefficient and the method used for reliability determination :             | .74   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with the Psychological Research Wing                  |
| 14. Price :   | Classified—not for sale   |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence, New Delhi     |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi     |

( 1226 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P.R.W. Test 8</b>  |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal test of intelligence                                 |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 4 sub-tests with 77 items                                   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole, 18 minutes                                 |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 500   |
| 10. Reliability coefficient and the method used for reliability determination :             | .96   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with Psychological Research Wing                  |
| 14. Price :   | Classified—not for sale                                     |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi |

( 1227 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | P.R.W. Test 20  |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                         | Verbal test of intelligence                                 |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 70 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :          | 25 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                  | Yes   |
| 9. Size of the sample on which standardized :   | 430   |
| 10. Reliability coefficient and the method used for reliability determination :         | .77   |
| 11. Validity coefficient and the criterion used :                                       |   |
| 12. Important studies in which test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                   | Available with the Psychological Research Wing              |
| 14. Price :   | Classified—not for sale                                     |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi |



( 1228 )

1. Name of the test :	P. R. W. Test 27.	English
2. Author :	Psychological Research Wing, Ministry of Defence, New Delhi	
3. Nature of the test (verbal, non-verbal, performance, etc.) :	Verbal test of intelligence	
4. Group or individual :	Group	
5. Age or age range for which meant :	Adults	
6. Number of sub-tests and items under each :	100 items	
7. Time required to administer each of the sub-tests and the test as a whole :	50 minutes	
8. Whether any shock absorber or practice items included in the test :	Yes	
9. Size of the sample on which standardized :	454	
10. Reliability coefficient and the method used for reliability determination :	.85 by Rational-equivalence method	
11. Validity coefficient and the criterion used :	Validity studies are in progress	
12. Important studies in which the test may have been used and important findings thereof :		
13. Norms, key and any other supplementary material :	Available with the Psychological Research Wing	
14. Price :	Classified—not for sale	
15. Source from which available :	Psychological Research Wing, Ministry of Defence, New Delhi	
16. Any other information :		
17. Institution submitting information :	Psychological Research Wing, Ministry of Defence, New Delhi	

# INTELLIGENCE TESTS

47

( 1229 )

English

1. Name of the test : Adaptation of ISP--45
2. Author : Adaptation by Psychological Research Wing, Ministry of Defence, New Delhi
3. Nature of the test (verbal, non-verbal performance, etc.): Verbal test of intelligence
4. Group or individual : Group
5. Age or age range for which meant : Adults
6. Number of sub-tests and items under each : 45 items
7. Time required to administer each of the sub-tests and the test as a whole : 20 minutes
8. Whether any shock absorber or practice items included in the test : Yes
9. Size of the sample on which standardized : 500
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Available with Psychological Research Wing
14. Price : Classified—not for sale
15. Source from which available : Psychological Research Wing, Ministry of Defence, New Delhi
16. Any other information :
17. Institution submitting information : Psychological Research Wing, Ministry of Defence, New Delhi

( 1230 )

Marathi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Pathak Vikash (Pathak Development of Intelligence)</b>                            |
| 2. Author :   | A. K. Pathak   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal intelligence tests in Marathi   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 9 to 13 years  |
| 6. Number of sub-tests and items under each :   | 8 Sub-tests with 110 items in all  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes for administration and 30 minutes for tests (2 to 4 minutes per sub-test) |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 10,738 pupils  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half and Test-retest reliabilities approximately .89                           |
| 11. Validity coefficient and the criterion used :   | .74 approximately  |
| 12. Important studies in which the test may have been used and important findings thereof : | Tests by Dr. V. V. Kamat   |
| 13. Norms, key and any other supplementary material :                                       | Age and grade norms are available separately for boys and girls                      |
| 14. Price :   |  |
| 15. Source from which available :   | A. K. Pathak, C/o S.T. College, Bombay-1   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Secondary Training College, Bombay-1   |

( 1231 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P.S.M. General Intelligence Test</b>   |
| 2. Author :   | <b>K. G. Rama Rao and S. K. Dani</b>  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 13 years to adulthood   |
| 6. Number of sub-tests and items under each :   | Sub-test I : items 27; II : 27; III : 24; IV : 27; V : 23; VI : 19  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-test I : minutes 6 ; II : 6; III : 7 ; IV : 5 ; V : 13 ; VI : 16. Test as a whole normally 1½ hours                       |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 5000  |
| 10. Reliability coefficient and the method used for reliability determination :             | (i) Split-half reliability corrected by Spearman-Brown formula, .94; (ii) Test-retest reliability .91                         |
| 11. Validity coefficient and the criterion used :   | .5 with teachers' ratings and school marks  |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Percentile age-norms, test booklets (in Hindi and Marathi) and manual of instructions and description of experiment available |
| 14. Price :   |   |
| 15. Source from which available :   | Principal, Prantiya Shikshan Mahavidyalaya, Jabalpur  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Prantiya Shikshan Mahavidyalaya, Jabalpur   |





( 1232 )

Oriya

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Orissa Group Test of Intelligence</b>  |
| 2. Author :   | R. C. Das and G. N. Das   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             |   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 12 years to adulthood   |
| 6. Number of sub-tests and items under each :   | 70 items in all, divided into 6 sections  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | One hour for the test as a whole  |
| 8. Whether any shock absorber or practice items included in the test :                      | One or two examples of each kind of test items are given at the beginning of each section   |
| 9. Size of the sample on which standardized :   | Nearly 1,000 high school pupils of Cuttack town. Standardization for the whole of Orissa is in progress   |
| 10. Reliability coefficient and the method used for reliability determination :             | Reliability by Test-retest method is being determined   |
| 11. Validity coefficient and the criterion used :   | Correlations with different school subjects range from .40 to .65   |
| 12. Important studies in which the test may have been used and important findings thereof : | Used along with a Numerical Ability Test and a Scientific Aptitude Test for predicting success in the Higher Secondary Elective Science subjects. The total score of the three tests has a coefficient of correlation of .70 with marks in these subjects |
| 13. Norms, key and any other supplementary material :                                       | Norms for the high school pupils of Cuttack town are available  |
| 14. Price :   | Not priced at present   |
| 15. Source from which available :   | State Bureau of Educational and Vocational Guidance, Cuttack, Orissa  |
| 16. Any other information :   | Statewise standardization is in progress  |
| 17. Institution submitting information :  | R. N. Training College, Cuttack   |

( 1233 )

Marathi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Intelligence Test in Marathi</b>                       |
| 2. Author :   | K. K. Paknikar  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 13 to 18 years ; Classes VIII to XI of a secondary school |
| 6. Number of sub-tests and items under each :   | Part : I : 33 items; Part II : 33 items                   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Part I : 20 minutes ; Part II : 20 minutes                |
| 8. Whether any shock absorber or practice items included in the test :                      | Two practice items included                               |
| 9. Size of the sample on which standardized :   | About 30 schools with an average of 300 pupils            |
| 10. Reliability coefficient and the method used for reliability determination :             | Statistical evaluation is in progress                     |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Not yet ready   |
| 14. Price :   |   |
| 15. Source from which available :   | Tilak College of Education, Poona-2                       |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Tilak College of Education, Poona-2                       |

(1234)

Marathi

1. Name of the test : **Buddhi Parikshan (Marathi Group Test of Intelligence)**
2. Author : **B. B. Samant**
3. Nature of the test (verbal, non-verbal, performance, etc.) :
4. Group or individual : **Group**
5. Age or age range for which meant : **10 to 18 years**
6. Number of sub-tests and items under each : **Six sub-tests; first five contain 16 items with time limit ; the last one contains 20 items without time limit**
7. Time required to administer each of the sub-tests and the test as a whole : **40 minutes for the test plus 20 minutes for instructions**
8. Whether any shock absorber or practice items included in the test : **Yes**
9. Size of the sample on which standardized : **Being standardized**
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available :
16. Any other information :
17. Institution submitting information :

Secondary Training College, Bombay

( 1235 )

Kannada

- |   |   |
|---|---|
| 1. Name of the test :   | Intelligence Tests for High School students in Kannada for the Karnatak Region  |
| 2. Author :   | M. Z. Khan  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 14 to 18 years  |
| 6. Number of sub-tests and items under each :   | 14 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 60 minutes for the whole test   |
| 8. Whether any shock absorber or practice items included in the test :                      | A short practice test consisting of four items of ten minutes duration  |
| 9. Size of the sample on which standardized :   | 4202 pupils from twenty-nine high schools in different parts of Karnatak  |
| 10. Reliability coefficient and the method used for reliability determination :             | Reliability coefficient by Split-half method corrected by Spearman-Brown formula is .79   |
| 11. Validity coefficient and the criterion used :   | Validity coefficient is .576 by the Product Moment Method. Validity by the item correlation method is .54 for items A1 and B1 ; .68 for items A2 and B2 ; .6 for items A3 and B3 ; .62 for items A4 and B4 ; .64 for items A5, B5 and C5 ; .476 for items A6, B6 and C6. The validity figures determined by correlation against school marks and by correlation of item-wise scores with total score are satisfactory |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available   |
| 14. Price :   | Re. 0.19 per copy   |



15. Source from which available : Dr. M. Z. Khan, Lecturer in Education,  
S. T. College, Belgaum
16. Any other information : This needs to be encouraged in the State  
for high school pupils to measure their  
mental capacities
17. Institution submitting information : S. T. College, Belgaum

( 1236 )

Marathi

1. Name of the test : **Maratha Buddhimapan Patrika—"Ma" and "Ga" Forms (Intelligence Test—M and G Forms)**
2. Author : **M. N. Kulkarni and G. R. Naik**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group test**
5. Age or age range for which meant : **10 to 17 years (high school age range)**
6. Number of sub-tests and items under each : **"Ma" Form : sub-tests 16 ; items 65.  
"Ga" Form : sub-tests 12 ; items 100**
7. Time required to administer each of the sub-tests and the test as a whole : **No separate timings for sub-tests. Time for the whole test is 60 minutes**
8. Whether any shock absorber or practice items included in the test : **Only illustrative examples are given for each sub-test**
9. Size of the sample on which standardized : **"Ma" Form : 3952 out of 4508 tested  
"Ga" Form : 3932 out of 4210 tested**
10. Reliability coefficient and the method used for reliability determination : **"Ma" Form .960; "Ga" form .977. These represent Split-half correlations corrected by Spearman-Brown formula**
11. Validity coefficient and the criterion used : **Correlation between the two forms is .96**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Available**
14. Price : **Rs. 12/- per hundred excluding postage**
15. Source from which available : **The Education Research Association, 2421 Kacheri Galli, Shahapur, Belgaum**

16. Any other information : Both the forms of the test were administered to pupils in forty-one schools in different parts of the old Bombay-Maharashtra from Khandesh down to Belgaum, in the years 1958-59. The language of the tests is Marathi
17. Institution submitting information : Secondary Teachers' College, Belgaum

( 1237 )

Hindi

1. Name of the test : **Samooohika Buddhi Parikshan (Group Intelligence Test—in Hindi)**
2. Author : **Prayag Mehta**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **12 to 14 years**
6. Number of sub-tests and items under each : **11 sub-tests containing 60 items in all**
7. Time required to administer each of the sub-tests and the test as a whole : **18 minutes for the entire test (actual testing time). No separate time limits for the sub-tests**
8. Whether any shock absorber or practice items included in the test : **No separate practice items, only examples**
9. Size of the sample on which standardized : **1800 children**
10. Reliability coefficient and the method used for reliability determination : **(1) r (product moment) : .930 ; (2) Internal Consistency (by Kuder-Richardson formula 21) for various age groups range between .81 and .90, standard error of measurement range between  $\pm 3.20$  and  $\pm 4.00$**
11. Validity coefficient and the criterion used : **Overall correlation of .44 with total annual examination marks**
12. Important studies in which the test may have been used and important findings thereof : **Several papers of the author (Intelligence and occupancy rate; Intelligence and parental occupation, etc.) in various journals**
13. Norms, key and any other supplementary material : **(a) Booklets one for each student ; (b) Manual giving norms and other relevant material ; (c) A set of scoring stencils**



14. Price : (a) A Specimen Kit of 50 booklets, one set of stencils and a manual : Rs. 30.00 ; (b) Extra booklets in package of 50 : Rs. 22.50 ; (c) Manual : Rs. 7.50 ; (d) Set of scoring stencils : Rs. 1.50  
Manasayan, 32 Faiz Bazar, Delhi-6
15. Source from which available :
16. Any other information :
17. Institution submitting information : Manasayan, 32 Faiz Bazar, Delhi-6

( 1238 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Test of Social Intelligence</b>  |
| 2. Author :   | M. B. Buch  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Pupils of S. S. C. class in Gujarat, insurance agents, salesmen and supervisors   |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : items 25 ; 2 : 12 ; 3 : 15 ; 4 : 28 ; 5 : 12 ; 6 : 20. Total sub-tests : 6 and total items : 112   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-test 1 : minutes 15 ; 2 : 10 ; 3 : 10 ; 4 : 10 ; 5 : 5 ; 6 : 10. Test as a whole : 60 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 4434 S. S. C. pupils (including 954 girls) ; 267 insurance agents ; 253 salesmen ; and 220 supervisors  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half .92 ; Kuder-Richardson .93 ; analysis of variance .91 ; test-retest .92  |
| 11. Validity coefficient and the criterion used :   | Content validity ; concurrent validity : C. R. 10.4 ; cross validity ; C. R. for different groups ranging from 3.73 to 6.07   |
| 12. Important studies in which the test may have been used and important findings thereof : | (i) Girls score higher on an average on this test than boys ; (ii) common factors found in this test is not identical with 'g' ; (iii) the different occupational groups show varied performance on different sub-tests |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms have been worked out for all the four groups. These and the key are provided in the text of the thesis   |

14. Price :
15. Source from which available :
16. Any other information :
17. Institution submitting information : Faculty of Education and Psychology,  
M. S. University, Baroda

( 1239 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Group Test of Intelligence for Gujarati Children  |
| 2. Author :   | A. J. Joshi                                       |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   | 11 to 14 years                                    |
| 6. Number of sub-tests and items under each :   | 8 sub-tests                                       |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 1 hour                                      |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 4601  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Indian Institute of Education, Chembur, Bombay-71 |



( 1240 )

Hindi

1. Name of the test : **Verbal Intelligence Test or Test of General Intelligence (V.I.T.)**
2. Author : **S. M. Mohsin**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **10 to 16 years (pupils of classes VI to XI)**
6. Number of sub-tests and items under each : **Sub-test 1 : 10 items ; 2 : 42 ; 3 : 30 ; 4 : 18 ; 5 : 30. Total number of sub-tests : 5. Total number of items : 130**
7. Time required to administer each of the sub-tests and the test as a whole : **Sub-test 1 : 3 minutes ; 2 : 3 ; 3 : 3 ; 4 : 3 ; 5 : 2. Total 25 minutes**
8. Whether any shock absorber or practice items included in the test : **Sub-test : 1 : 2 ; 2 : 3 ; 3 : 3 ; 4 : 3 ; 5 : 3**
9. Size of the sample on which standardized : **978**
10. Reliability coefficient and the method used for reliability determination : **Odd-even ; .92**
11. Validity coefficient and the criterion used : **Correlation with intelligence tests : .55**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Manual**
14. Price : **Specimen free**
15. Source from which available : **Educational and Vocational Guidance Bureau, Bihar, Patna**
16. Any other information :
17. Institution submitting information : **Educational and Vocational Guidance Bureau, Bihar, Patna**

(1241)

Hindi

1. Name of the test : **Test of General Intelligence (Verbal Intelligence Test) V.I.T.**
2. Author : **S. M. Mohsin**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **10 to 16 years (pupils of classes VI to XI)**
6. Number of sub-tests and items under each : **Sub-test 1 : 18 items ; 2 : 28 ; 3 : 36 ; 4 : 20 ; 5 : 24 ; 6 : 17. Total number of sub-tests : 6. Total number of items : 143**
7. Time required to administer each of the sub-tests and the test as a whole : **Sub-tests 1 : 5 minutes ; 2 : 5 ; 3 : 8 ; 4 : 5 ; 5 : 7 ; 6 : 10. Total time : 40 minutes**
8. Whether any shock absorber or practice items included in the test : **Sub-test 1 : 2 ; 2 : 2 ; 3 : 4 ; 4 : 2 ; 5 : 2 ; 6 : 1**
9. Size of the sample on which standardized : **1270**
10. Reliability coefficient and the method used for reliability determination : **(i) Odd-even : .95 ; (ii) Test-retest : .89.**
11. Validity coefficient and the criterion used : **(i) Examination marks : .56 ; (ii) Menzel's General Intelligence Test : .54 ; (iii) Terman's Arithmetical Reasoning Test : .63 ; (iv) Progressive Matrices : .56**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Manual**
14. Price : **Specimen free**
15. Source from which available : **Educational and Vocational Guidance Bureau, Bihar, Patna**
16. Any other information : **Numerous research studies on the test have been reported in standard journals.**
17. Institution submitting information : **Educational and Vocational Guidance Bureau, Bihar, Patna**

( 1242 )

Hindi

1. Name of the test :	<b>General Mental Ability</b>
2. Author :	Department of Education, Gorakhpur University
3. Nature of the test verbal, non-verbal, performance, etc.) :	Verbal
4. Group or individual :	Group
5. Age or age range for which meant :	10 years and 8 months to 16 years and 9 months
6. Number of sub-tests and items under each :	Total number of items : 125
7. Time required to administer each of the sub-tests and the test as a whole :	45 minutes
8. Whether any shock absorber or practice items included in the test :	
9. Size of the sample on which standardized :	934
10. Reliability coefficient and the method used for reliability determination :	Not found
11. Validity coefficient and the criterion used :	
12. Important studies in which the test may have been used and important findings thereof :	Used to compare rural-urban boys and to factorize matrix
13. Norms, key and any other supplementary material :	Not established
14. Price :	Nil
15. Source from which available :	
16. Any other information :	
17. Institution submitting information :	Department of Education, Gorakhpur University, Gorakhpur

( 1243 )

Hindi

1. Name of the test : Verbal Group Test of Intelligence for fourteen plus in Hindi (B. P. T. 8)
2. Author : Manovigyan Shala, U. P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : It has been designed primarily for school-going children of 14 plus studying in class VII and above in higher secondary schools of Uttar Pradesh and is not meant for pupils of 14 plus who are in class VI and below, and should not be applied to them
6. Number of sub-tests and items under each : 100
7. Time required to administer each of the sub-tests and the test as a whole : 45 minutes
8. Whether any shock absorber or practice items included in the test : Includes examples as practice items
9. Size of the sample on which standardized : The test was standardized on 952 fourteen-year-old children studying in twenty-seven higher secondary schools of Uttar Pradesh spread over all the five educational regions of the State. The sample was fairly representative
10. Reliability coefficient and the method used for reliability determination : Split-half reliability coefficient of the test corrected by Spearman-Brown formula for random sample of 100 pupils selected from the standardization sample of 952 children is .96. It corresponds to a standard error of 3 points for a child's I. Q.
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :

13. Norms, key and any other supplementary material : Norms for the test were set up showing raw scores and the corresponding I.Q.s at different percentile levels. For standardizing the test, the mean of I.Q.s was kept as 100 and standard deviation 15. Instructions for administration and using scoring key are available in the manual. Interpretation of I.Q.s has also been outlined therein
14. Price : Unpriced
15. Source from which available : Manovigyan Shala, U. P.
16. Any other information : The Manovigyan Shala started work on B.P.T. 8 in 1950 and it was finally prepared in 1953-54. The revised form of B.P.T. 8 was published in 1956. The test attempts to discriminate more or less uniformly at the average and higher levels of intelligence. It is designed for use in selecting students for scientific and literary courses
17. Institution submitting information : Manovigyan Shala, U. P., Allahabad



( 1244 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Vocabulary Test   |
| 2. Author :   | N. P. Dave  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of classes III to X  |
| 6. Number of sub-tests and items under each :   | There are no sub-tests. The total number of items is 100  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | The time limit for the whole test is 15 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | The test was given to 6008 students (3834 boys and 2174 girls)  |
| 10. Reliability coefficient and the method used for reliability determination :             | Reliability coefficient is .97 by split-half method corrected by Spearman-Brown formula   |
| 11. Validity coefficient and the criterion used :   | With the average of the marks of two oral examinations in Gujarati, validity coefficient is .76 ; with sub-test No. 1 of Joshi's Group Test of Intelligence it is .63 |
| 12. Important studies in which the test may have been used and important findings thereof : | The test is being used by Gujarat Research Society for giving vocational guidance   |
| 13. Norms, key and any other supplementary material :                                       | The material can be supplied by Gujarat Research Society  |
| 14. Price :   | Re. 0.15 for each test booklet  |
| 15. Source from which available :   | Gujarat Research Society, 'Samsodhan Sadan,' South Avenue, Khar, Bombay-52  |
| 16. Any other information :   | Nil   |
| 17. Institution submitting information :  | Gujarat Research Society, 'Samsodhan Sadan,' South Avenue, Khar, Bombay-52  |

( 1245 )

Marathi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Group Tests in Marathi for High School Children</b>                    |
| 2. Author :   | Nirmala Samartha  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 10 to 16 years  |
| 6. Number of sub-tests and items under each :   | 13 sub-tests  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 1 hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Rs. 0.25  |
| 15. Source from which available :   | Smt. Nirmala Samartha, Pushpa Kunj,<br>604 'A' Road, Churchgate, Bombay-1 |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Indian Institute of Education, Chembur,<br>Bombay-71                      |

( 1246 )

Marathi

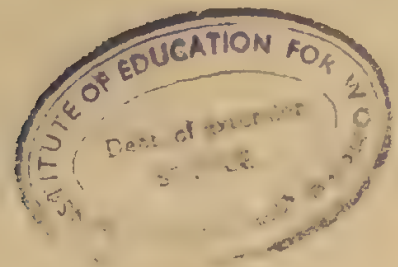
- |   |  |
|---|--|
| 1. Name of the test :   | Marathi Reproduction Vocabulary of pupils who have completed Primary Standard IV |
| 2. Author :   | U. R. Seolekar   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 10 plus  |
| 6. Number of sub-tests and items under each :   |  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |  |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 270  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   |  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Indian Institute of Education, Chembur, Bombay-71                                |

( 1247 )

Panjabi

1. Name of the test : Sadharan Manasika · Yogyata Pariksha (2-60) · (Group Test of General Mental Ability in Panjabi)
2. Author : S. Jalota and Indra Bhan Singh
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : 11 to 16 years
6. Number of sub-tests and items under each : (i) Synonyms : 10 ; (ii) Opposites : 10 ; (iii) Number series : 20 ; (iv) Classification : 20 ; (v) Best answers : 10 ; (vi) Reasoning : 10 ; (vii) Analogies : 20. Total items 100. Items of various types are mixed and have been arranged according to graded difficulty
7. Time required to administer each of the sub-tests and the test as a whole : About 15 minutes for preliminary explanation and practice items and 20 minutes for the test proper
8. Whether any shock absorber or practice items included in the test : Yes, 7 solved and 7 unsolved examples
9. Size of the sample on which standardized : 2951 students of class VI to the college level
10. Reliability coefficient and the method used for reliability determination : Split-half reliability corrected by Spearman-Brown formula .93; Kuder-Richardson reliability .99
11. Validity coefficient and the criterion used : Correlations with school examination marks of students of classes 8 to 10 range between  $+.41$  and  $+.50$
12. Important studies in which the test may have been used and important findings thereof : Has been used by some M.A. students for their theses at the Panjab University, Chandigarh
13. Norms, key and any other supplementary material : (i) Centile norms for ages 11 to 16 ; (ii) C-scale obtained from Modal age-grade data ; (iii) scoring key

14. Price : Consumable booklets in a packet of 50 plus 1 manual of directions with one scoring key : Rs. 12.50 (postage extra)
15. Source from which available : (i) Prof. S. Jalota, Panjab University, Chandigarh. (ii) Manasayan, 32 Faiz Bazar, Delhi-6
16. Any other information : The test has been prepared and standardized for Ph.D. thesis
17. Institution submitting information : Department of Psychology, Panjab University, Chandigarh





( 1248 )

Hindi

1. Name of the test : **Sadharan Manasika Yogyata Pariksha (1-60) Group Test of General Mental Ability in Hindi)**
2. Author : **S. Jalota**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **12 to 16 years**
6. Number of sub-tests and items under each : **(i) Synonyms : 10 ; (ii) Opposites : 10 ; (iii) Number Series : 20 ; (iv) Classification : 20 ; (v) Best Answers : 10 ; (vi) Reasoning : 10 ; (vii) Analogies : 20**
7. Time required to administer each of the sub-tests and the test as a whole : **Some 15 minutes for preliminary talk and practice examples ; 20 minutes for the test proper**
8. Whether any shock absorber or practice items included in the test : **Yes, 7 solved and 7 unsolved practice items**
9. Size of the sample on which standardized : **1941 school students**
10. Reliability coefficient and the method used for reliability determination : **Kuder-Richardson reliability of .94**
11. Validity coefficient and the criterion used : **Correlations with school examination marks range from  $+ .50$  to  $+ .78$ . The 'r' value for pooled validity 'r' is highly significant**
12. Important studies in which the test may have been used and important findings thereof : **Used in several studies by M.Ed. and M.A. students at Allahabad, Banaras, Pilani, Delhi, Lucknow and Panjab Universities**
13. Norms, key and any other supplementary material : **(i) Manual of directions contains centile norms and M.A. conversion table ; (ii) scoring key available**
14. Price : **Consumable booklets in packets of 50 each with one manual of directions and one scoring key : Rs. 12.50 (postage extra)**

15. Source from which available : (i) Prof. S. Jalota, Panjab University, Chandigarh. (ii) Manasayan, Faiz Bazar, Delhi-6
16. Any other information : This is an omnibus type of test in which the various items of elements are mixed and arranged in an order of increasing difficulty. By now over 24,000 students have been tested in some eighty studies
17. Institution submitting information : Department of Psychology, Panjab University, Chandigarh

( 1249 )

**Hindi**

1. Name of the test : Verbal Group Test of Intelligence for Adults in Hindi (B.P.T. 11)
2. Author : Manovigyan Shala, U. P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : Adults
6. Number of sub-tests and items under each : 100
7. Time required to administer each of the sub-tests and the test as a whole : 45 minutes
8. Whether any shock absorber or practice items included in the test : Includes examples as practice items
9. Size of the sample on which standardized : The test was administered to 215 adults
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Tentative percentile norms, instructions, scoring sheets and key are available. Norms are based on a random sample of 215 with mean 36.4 and S.D. 13
14. Price : Unpriced
15. Source from which available : Manovigyan Shala, U.P.
16. Any other information : The Manovigyan Shala started work on B.P.T. 11 in 1948. It was finalized in 1950. It attempts to discriminate more or less uniformly at average and higher levels of intelligence and has been designed for use in selection
17. Institution submitting information : Manovigyan Shala, U.P., Allahabad

( 1250 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Allahabad Intelligence Test   |
| 2. Author :   | Sohan Lal   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 11 plus   |
| 6. Number of sub-tests and items under each :   | 100   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 45 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Examples are used as practice items   |
| 9. Size of the sample on which standardized :   | 1419 eleven-year-old children of 58 Government High Schools of U.P. Sample includes both boys and girls |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Manual, norms, key and other supplementary materials are available                                      |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Manovigyan Shala, U. P., Allahabad  |

( 1251 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | Otis Self-Administering Test of Mental Ability                                    |
| 2 Author :  | Arthur S. Otis  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual ;  | Group   |
| 5. Age or age range for which meant :   | For college students  |
| 6. Number of sub-tests and items under each :   | 75 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes (45 minutes including instructions)                                    |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which, standardized :  | 299 students of I year Arts and Science   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | Used as a part of a battery for guidance or selection for various college courses |
| 13. Norms, key and any other supplementary material :                                       | Available   |
| 14. Price :   |   |
| 15. Source from which available :   | George G. Harrap & Co. Ltd., 182, High Holborn, London, W.C.1.                    |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1                   |



( 1252 )

Marathi

- |  |  |
|--|--|
| 1. Name of the test :  | <b>Marathi Adaptation of The Northumberland Mental Tests No. 2</b>                             |
| 2. Author :  | Marathi adaptation by Mrs. N. Samartha   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                            | Verbal   |
| 4. Group or individual :   | Group  |
| 5. Age or age range for which meant :  | 12 years and onwards   |
| 6. Number of sub-tests and items under each :  | 14 items spread over three sub-tests   |
| 7. Time required to administer each of the sub-tests and the test as a whole :             | One hour ; (65 minutes including directions)   |
| 8. Whether any shock absorber or practice items included in the test:                      | No   |
| 9. Size of the sample on which standardized:   | About 5000 children (Boys : Girls :: 3 : 2)  |
| 10. Reliability coefficient and the method used, for reliability determination:            | Split-half reliability .7 (P.E.=.05)   |
| 11. Validity coefficient and the criterion used:   | Correlation with school marks .56 (P.E.=.05) ; correlation of I.Q. scores with school marks .7 |
| 12. Important studies in which the test may have been used and important findings thereof: |  |
| 13. Norms, key and any other supplementary material :                                      | Norms available  |
| 14. Price:   | Re. 0.25 per booklet   |
| 15. Source from which available:   | Mrs. N. Samartha, 604, Pushpakunj 'A'. Road, Churchgate, Bombay-1                              |
| 16. Any other information:   |  |
| 17. Institution submitting information :   | Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1                                |

( 1253 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | Parsi Panchayat General Intelligence Test                       |
| 2. Author :   | Vocational Guidance Bureau (Parsi Panchayat Office), Bombay     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant:  | For pupils of class XI  |
| 6. Number of sub-tests and items under each :   | 80  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 20 minutes in addition to 20 minutes for explanation            |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 416 pupils of class XI  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available   |
| 14. Price :   |   |
| 15. Source from which available :   | Vacational Guidance Bureau, Parsi Panchayat Office, Bombay-1    |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1 |

( 1254 )

1. Name of the test : **Group Test of Intelligence**
2. Author : **T. P. Lele and others**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **11+ to 16+**
6. Number of sub-tests and items under each : **Sub-test 1 : 15 items ; 2 : 15 ; 3 : 12 ; 4 : 20 ; 5 : 14 ; 6 : 12 ; 7 : 14 ; 8 : 15**
7. Time required to administer each of the sub-tests and the test as a whole : **Sub-test 1 : 3½ minutes ; 2 : 3 ; 4 : 4 ; 5 : 7 , 6 : 8 ; 7 : 3½ ; 8 : 6**
8. Whether any shock absorber or practice items included in the test : **Yes**
9. Size of the sample on which standardized : **Age group 11+ : N=1432 ; 12+ : N=1947 ; 13+ : N=2413 ; 14+ : N=2656 ; 15+ : N=2880 ; 16+ : N=2098 ; 17+ : N=832. Total 14258**
10. Reliability coefficient and the method used for reliability determination : **Test-retest method. Age group 11+ : .827 ; 12+ : .787 ; 13+ : .653 ; 14+ : .813 ; 15+ : .849 ; 16+ : .885**
11. Validity coefficient and the criterion used : **Against Desai's Test. For age group 11+ : .30 ; 12+ : .70 ; 13+ : .66 ; 14+ : .68 ; 15+ : .74 ; 16+ : .85. Against teachers' ratings. For 11+ : .44 ; 12+ : 11 ; 13+ : .41 ; 14+ : .58 ; 15+ : .53 ; 16+ : .80. Against Raven's Progressive Matrices Test 0.55**
12. Important studies in which the test may have been used and important findings thereof : **Useful in counselling**
13. Norms, key and any other supplementary material : **Mental age norms are given**
14. Price :

15. Source from which available : Faculty of Education and Psychology,  
M.S. University of Baroda, Baroda
16. Any other information : Can be had from the author
17. Institution submitting information : Faculty of Education and Psychology  
M.S. University of Baroda, Baroda

( 1255 )

Kannada

- |   |   |
|---|---|
| 1. Name of the test   | Verbal Group Test of Intelligence                                       |
| 2. Author :   | H. S. Eswara and K. Seshagiri Rao                                       |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Middle School   |
| 6. Number of sub-tests and items under each :   | Six sub-tests with 16 items each. Total 96 items                        |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 600 children in Mysore city and 300 children in Mysore district (rural) |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Norms provided  |
| 14. Price :   |   |
| 15. Source from which available :   | Psychology Department, University of Mysore                             |
| 16. Any other information :   |   |
| 17. Institution submitting information :  |   |



( 1256 )

Kannada

- |   |   |
|---|---|
| 1. Name of the test :   | Verbal Group Test of Intelligence                   |
| 2. Author :   | B. S. Leelamma                                      |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For high school students                            |
| 6. Number of sub-tests and items under each :   | Six sub-tests with 16 items each. Total 96 items    |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 40 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 1200  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | Some M.A. dissertations                             |
| 13. Norms, key and any other supplementary material :                                       | Norms provided                                      |
| 14. Price :   |   |
| 15. Source from which available   | Psychology Department, University of Mysore, Mysore |
| 16. Any other information :   |   |
| 17. Institution submitting information :  |   |

( 1257 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Scholastic Aptitude Test</b>                        |
| 2. Author :   | Yoganarasimhia, Leelamma and Kantamani                 |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For high school students                               |
| 6. Number of sub-tests and items under each :   | Six sub-tests with 16 items each. Total 96 items       |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 40 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 200, 600 and 300 for three different grades separately |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : | Some M.A. and Ph.D. dissertations                      |
| 13. Norms, key and any other supplementary material :                                       | Norms provided   |
| 14. Price :   |  |
| 15. Source from which available :   | Psychology Department, University of Mysore, Mysore    |
| 16. Any other information :   |  |
| 17. Institution submitting information :  |  |

( 1258 )

Gujarati

1. Name of the test : **Group Test of Intelligence for Standards V, VI and VIII**
2. Author : **Champa L. Bhatt**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal and non-verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **8 years 6 months to 14 years**
6. Number of sub-tests and items under each : **Seven sub-tests with items as follows :  
1 : 11 ; 2 : 20 ; 3 : 20 ; 4 : 21 ; 5 : 20 ;  
6 : 25 ; 7 : 22. Total number of items :  
139**
7. Time required to administer each of the sub-tests and the test as a whole : **1 : 2 minutes ; 2 : 6 ; 3 : 5 ; 4 : 5 ; 5 : 5 ;  
6 : 6 ; 7 : 6 ; Whole test : 70 minutes**
8. Whether any shock absorber or practice items included in the test : **A practice test of 5 items is included in the test**
9. Size of the sample on which standardized : **9,822**
10. Reliability coefficient and the method used for reliability determination : **(i) Test-retest .86 ; (ii) Split-half .96 ; (iii) Guttman formula .97 ; (iv) Rulon formula .98 ; (v) Kuder-Richardson .93**
11. Validity coefficient and the criterion used : **Correlation with Stanford Binet adaptation .82 ; Desai Group Test of Intelligence .88 ; Joshi's Group Test of Intelligence .68 ; teachers' estimates of intelligence .45 ; school achievement .57**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **The manual consisting of norms, key and directions for administering the tests has been published**

14. Price : Test booklets, Re. 0.25 each. Manual :  
Re. 1.00
15. Source from which available : Bharat Prakashan, 44, Kalyan Bhavan,  
Tilak Road, Ahmedabad-1
16. Any other information :
17. Institution submitting information : A. G. Teachers' College, Ahmedabad-9

( 1259 )

Hindi

1. Name of the test :
2. Author :
3. Nature of the test (verbal, non-verbal, performance, etc.) :
4. Group or individual :
5. Age or age range for which meant :
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available :

Development of Norms for Sadharan Manasika Yogyata Pariksha by S. Jalota

Development of norms by the Central Bureau of Educational and Vocational Guidance, Delhi

2370 boys of class X of 32 higher secondary schools of Delhi, tested in 1963

(i) Standard score norms ; (ii) stanine norms ; (iii) percentile rank norms ; (iv) percentile band norms

Not yet fixed

Central Bureau of Educational and Vocational Guidance



16. Any other information : Information regarding the test may be seen under Code No. 1248 in this handbook
17. Institution submitting information : Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33, Chhatra Marg, Delhi-7

( 1260 )

Hindi

1. Name of the test : Development of Norms for Samsoohika Buddhi Parikshan by Prayag Mehta
2. Author : Development of norms by the Central Bureau of Educational and Vocational Guidance, Delhi
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal (reasoning)
4. Group or individual :
5. Age or age range for which meant : Norms for pupils of class XI in Delhi
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized : 669 boys of class XI of 13 higher secondary schools of Delhi, tested in 1963
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms : (i) Standard score norms ; (ii) stanine norms ; (iii) percentile rank norms ; (iv) percentile band norms
14. Price :
15. Source from which available : Central Bureau of Educational and Vocational Guidance

## INTELLIGENCE TESTS

89

16. Any other information :

Information regarding the test may be seen under Code No. 1237 in this handbook

17. Institution submitting information :

Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33, Chhatra Marg, Delhi-7

( 1301 )

Gujarati

1. Name of the test : Adaptation of Goddard's Form Board Test for Measuring Intelligence of Gujarati Children
2. Author : B. C. Patel
3. Nature of the test (verbal, non-verbal, performance, etc.) : Performance test
4. Group or individual : Individual
5. Age or age range for which meant : 6 to 10 years
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole : About 5 minutes
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : 430 pupils
10. Reliability coefficient and the method used for reliability determination : .66 test-retest method
11. Validity coefficient and the criterion used : Correlation of I.Q.s of some pupils with their examination marks is 0.52
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Contained in the dissertation submitted for part-fulfilment of the degree of M.Ed. (not published)
14. Price :
15. Source from which available :
16. Any other information : The size of the form board was reduced to  $\frac{2}{3}$  of its original size as the children were found to experience difficulty in reaching the board  
A.G. Teachers' College, Ahmedabad-9
17. Institution submitting information :

( 1302 )

Hindi

1. Name of the test : A Battery of Performance Tests of Intelligence (Individual)
2. Author : Manovigyan Shala, U.P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Performance
4. Group or individual : Individual
5. Age or age range for which meant : For children of age below 11 years
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available : Manovigyan Shala, U.P.
16. Any other information : The test is still in the experimental stage
17. Institution submitting information : Manovigyan Shala, U.P., Allahabad . .



( 1303 )

Gujarati

1. Name of the test :	Modified Goddard Formboard
2. Author :	M. K. Panwala
3. Nature of the test (verbal, non-verbal, performance, etc.) :	Performance
4. Group or individual :	Individual
5. Age or age range for which meant :	8 to 12 plus
6. Number of sub-tests and items under each :	
7. Time required to administer each of the sub-tests and the test as a whole :	
8. Whether any shock absorber or practice items included in the test :	No
9. Size of the sample on which standardized :	130
10. Reliability coefficient and the method used for reliability determination :	.67 with Standard Board
11. Validity coefficient and the criterion used :	With examination marks .63; with marks in Arithmetic .57 ; with marks in Drawing .34
12. Important studies in which the test may have been used and important findings thereof :	
13. Norms, key and any other supplementary material :	
14. Price :	
15. Source from which available :	Faculty of Education and Psychology, M.S. University of Baroda
16. Any other information :	
17. Institution submitting information :	Faculty of Education and Psychology, M.S. University of Baroda, Baroda

( 1304 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Battery of Performance Tests of Intelligence</b>   |
| 2. Author :   | C. M. Bhatia  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Performance   |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   | 11 to 16 years  |
| 6. Number of sub-tests and items under each :   | 5 sub-tests. Items in sub-test I : 10 ; II : 8 ; III : 8 ; IV : 12 ; V : 5  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Each item is timed separately. Time for the sub-test I is 25 minutes ; II : 20 ; III : 20 ; IV : Nil ; V : 12   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   | 1154  |
| 10. Reliability coefficient and the method used for reliability determination :             | .841 by split-half method   |
| 11. Validity coefficient and the criterion used :   | For literates, .703 with teachers' opinion; for illiterates, .717 with general opinion  |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Given in Dr. Bhatia's book in the form of IQ's and PQ's   |
| 14. Price :   |   |
| 15. Source from which available :   | Purohit and Purohit, Shukrawar Peth, Poona-2  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Prepared by the Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33, Chhatra Marg, Delhi-7, from the book, "Performance Test of Intelligence" by C. M. Bhatia |

( 1401 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Adaptation of Goodenough's Man-Draw-<br>ing Test  |
| 2. Author :   | P. D. Patel   |
| 3. Nature of the test (verbal,<br>non-verbal, performance, etc.) :                                | Non-verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which<br>meant :  | 4 years to 11 years and 11 months   |
| 6. Number of sub-tests and items<br>under each :  |   |
| 7. Time required to administer<br>each of the sub-tests and the<br>test as a whole :              | Sufficient time to complete the work is<br>allowed. It takes approximately 15<br>minutes  |
| 8. Whether any shock absorber or<br>practice items included in the<br>test :                      | No  |
| 9. Size of the sample on which<br>standardized :  | 1233 pupils   |
| 10. Reliability coefficient and the<br>method used for reliability<br>determination :             | .64 by test-retest method   |
| 11. Validity coefficient and the cri-<br>terion used :  | .51 by correlating the IQ's of some<br>pupils with their examination marks                |
| 12. Important studies in which the<br>test may have been used and<br>important findings thereof : |   |
| 13. Norms, key and any other sup-<br>plementary material :  | Contained in the dissertation submitted<br>for part-fulfilment for the degree of<br>M.Ed. |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting informa-<br>tion :   | A.G. Teachers' College, Ahmedabad-9   |

( 1402 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Draw-a-Man Scale for Indian Children</b>  |
| 2. Author :   | <b>Pramila Phatak</b>  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Non-verbal</b>  |
| 4. Group or individual :  | <b>Both</b>  |
| 5. Age or age range for which meant :   | <b>6 to 10 years</b>   |
| 6. Number of sub-tests and items under each :   |  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |  |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>No</b>  |
| 9. Size of the sample on which standardized :   | <b>Tentative norms are calculated on a group of 750 subjects approximately of the ages 7, 8 and 9</b>                        |
| 10. Reliability coefficient and the method used for reliability determination :             | <b>Test-retest <math>r</math> .817</b>   |
| 11. Validity coefficient and the criterion used :   | <b>.51 with Kamat's Tests of Intelligence for Indian Children (Marathi)</b>  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price:  |  |
| 15. Source from which available :   | <b>Anand Agencies, 1433 A, Shukrawar Peth, Poona-2</b>   |
| 16. Any other information :   | <b>Means are calculated on a sample of about 2500, and are published in an article but are not finally accepted as norms</b> |
| 17. Institution submitting information :  | <b>Faculty of Education and Psychology, M. S. University, Baroda</b>   |

( 1403 )

- |   |   |
|---|---|
| 1. Name of the test :   | Application of Draw-a-Man Scale Performance Test to City-Children of Gujarat<br>N.K. Shah |
| 2. Author :   |   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Performance   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 6 to 10 years   |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole:               |   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 3000 children   |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest reliability .89   |
| 11. Validity coefficient and the criterion used :   | .62 with teachers' ratings  |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Age norms and grade norms. Scoring key is available                                       |
| 14. Price:  |   |
| 15. Source from which available :   | Faculty of Education and Psychology,<br>M. S. University, Baroda                          |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Faculty of Education and Psychology,<br>M. S. University, Baroda                          |



( 1404 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Adaptation of Jenkin's Non-verbal Test No. 1, T5</b>   |
| 2. Author :   | Adaptation by the Central Institute of Education  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 10 to 14 years  |
| 6. Number of sub-tests and items under each :   | 5 sub-tests having 16, 18, 16, 16, 19 items respectively  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 5 minutes each for the first four sub-tests and 10 minutes for the last one   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes. It takes 10 minutes  |
| 9. Size of the sample on which standardized :   | 3315  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliabilities corrected by Spearman-Brown formula vary from .89 to .96. Test-retest reliabilities vary from .83 to .94   |
| 11. Validity coefficient and the criterion used :   | Correlation with (i) teachers' estimates .23 (N=61), .43 (N=55), .49 (N=65); (ii) CIE Verbal Group Test of Intelligence, T3 .71 (N=164); (iii) CIE Verbal Group Test of Intelligence, T2 .53 (N=90)   |
| 12. Important studies in which the test may have been used and important findings thereof : | Not known   |
| 13. Norms, key and any other supplementary material :                                       | Manual of instructions available from the Institute (price not fixed yet). Standard score norms for ages 10 to 14 (boys and girls separately) and also for grades VI, VII and VIII are given in the manual. Fresh norms on a large sample of grade VIII are being prepared. New sample of grade VIII children is approximately 3000 |

14. Price : Test booklet (with practice form) Re. 0.16 each
15. Source from which available : Central Institute of Education, Delhi-6
16. Any other information : A complete report on norms is available (C.I.E. publication No. 40). With Atma Ram and Sons, Kashmere Gate, Delhi. Price not yet fixed
17. Institution submitting information : Central Institute of Education, 33, Chhatra Marg, Delhi-7

( 1405 )

1. Name of the test : **Non-Verbal Space Test of Intelligence or 10 plus to 16 plus (B.P.S.T. 1)**
2. Author : **Manovigyan Shala, U.P.**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **The space test is a non-verbal test of spatial ability i.e., the capacity to visualize and to manipulate objects in two or three dimensions**
4. Group or individual : **Group**
5. Age or age range for which meant : **10 plus to 16 plus**
6. Number of sub-tests and items under each : **This test consists of five parts. Each part contains several questions grouped in one or more types of questions**
7. Time required to administer each of the sub-tests and the test as a whole : **Each part is to be completed within a certain time limit which ranges from five to seven minutes**
8. Whether any shock absorber or practice items included in the test : **Every group of similar questions is preceded by an example**
9. Size of the sample on which standardized : **The sample was selected to give representative picture of spatial ability of all the boys of ages 10 years and above studying in classes VIII, IX and XI in the State of Uttar Pradesh. The total number of students on whom the test was standardized was 2983**
10. Reliability coefficient and the method used for reliability determination : **Split-half reliability corrected by Spearman-Brown formula is .94**
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :

13. Norms, key and any other supplementary material :  
A table of norms for classes VIII, X and XII for converting scores into space quotients has been prepared. It is based on 5840 students of class VIII drawn from 74 higher secondary schools, 1373 students of class X drawn from 12 higher secondary schools and 986 students of class XII drawn from 10 higher secondary schools. The test is accompanied by instructions and key  
Unpriced  
Manovigyan Shala, U.P., Allahabad
14. Price :  
This test was constructed in 1954-55. It is an adaptation in Hindi of the Moray House Space Test 1. The adaptation by Manovigyan Shala has been designed with the purpose of allocating children to various curricular groups at the higher secondary stage and for imparting vocational guidance to them. It facilitates classification of boys for various courses in technical subjects. It is also useful in giving vocational guidance to them
15. Source from which available :  
Manovigyan Shala, U.P., Allahabad
16. Any other information :
17. Institution submitting information :

( 1406 )

1. Name of the test : **Adaptation of N.I.I.P. London, Non-verbal Group Test of Intelligence 70/23**
2. Author : **Adaptation by Manovigyan Shala, U.P.**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Non-verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **For students of classes VIII, X and XII irrespective of ages**
6. Number of sub-tests and items under each : **The test consists of two sub-tests. Each sub-test is followed by some examples. Sub-test I consists of 25 items. Sub-test II consists of 28 items.**
7. Time required to administer each of the sub-tests and the test as a whole : **5 minutes are allowed for the first sub-test and 8 minutes for the second sub-test**
8. Whether any shock absorber or practice items included in the test : **Each sub-test is followed by some examples**
9. Size of the sample on which standardized : **The sample used for the revision of norms on this test consists of 4623 boys, studying in class VIII drawn from 47 higher secondary schools, 1158 boys studying in class X drawn from 11 higher secondary schools and 937 boys studying in class XII drawn from 10 higher secondary schools of Uttar Pradesh**
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Standard score norms for classes VIII, X and XII separately are available. Percentile norms are also available in Hindi**



14. Price :
15. Source from which available : National Institute of Industrial Psychology, London
16. Any other information : Tentative norms for the test under Indian conditions were prepared by the Bureau of Psychology, U.P., Allahabad in 1951 on the basis of the data accumulated till then. A paper on these norms was published in the Jan. 1952 issue of 'Shiksha'. By the year 1953-54 a large amount of data had been collected and our previous norms were revised on the basis of these accumulated data. This test was administered to the boys of higher secondary schools for allocating them to different higher secondary courses in the State. It is still being used for the same purpose
17. Institution submitting information : Manovigyan Shala, U.P., Allahabad

( 1407 )

1. Name of the test : **Adaptation of Raven's Progressive Matrices Test (1938) (Revised order 1956)**
2. Author : **Adaptation by Manovigyan Shala, U.P.**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **It is a non-verbal test and has been claimed to be a language, education and culture free test**
4. Group or individual : **Group**
5. Age or age range for which meant : **Sample on which standardized included students of classes VIII, X and XII**
6. Number of sub-tests and items under each : **The test consists of 60 well-drawn 'matrices' or patterns divided into five sets (A, B, C, D and E) of 12 problems each. The problems in each set have been arranged in progressively increasing order of difficulty**
7. Time required to administer each of the sub-tests and the test as a whole : **The time limit for the test is 20 minutes**
8. Whether any shock absorber or practice items included in the test : **Item no. 1 of set A is explained and is used as a practice item**
9. Size of the sample on which standardized : **The test was used on a sample of 1638 students of classes VIII, X and XII studying in 9 higher secondary schools of Uttar Pradesh. The sample included 620 boys of class VIII, 586 boys of class X and 432 boys of class XII**
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used : **Correlation with Pidgeon .60 ; with 70/23 .53 ; with F.R. .44 ; with Space .49 ; with V.I.T. .49 ; with B.P.A.T. (2) .44. All correlations based on a sample of 412**
12. Important studies in which the test may have been used and important findings thereof :

13. Norms, Key and any other supplementary material :  
The norms were prepared for classes VIII, X and XII separately in the form of conversion tables which facilitate conversion of raw scores into standard scores with reference to a particular educational standard. Answer sheets and instructions were also prepared in Hindi to suit the convenience of Hindi speaking boys of U.P.  
Manovigyan Shala, U.P.
14. Source from which available :  
Manovigyan Shala, U.P.
15. Price :
16. Any other information :  
This test was tried for the first time in the Manovigyan Shala in 1956 and the results were encouraging. It is a test of person's capacity at the time of the test to apprehend meaningful figures presented for his observation, see the relations between them, conceive the true nature of the figure completing each system of relations presented, and by so doing, develop a systematic method of reasoning. It claims to provide a measure of person's capacity to form comprehensions, reason by analogy and develop a logical method of thinking regardless of previously acquired information. It is a test of general intelligence and a test of observation and clear thinking, although factor analysis in the reviews suggests that the test is an almost pure 'g' test with a small loading of some spatial-perceptual factor.  
Manovigyan Shala, U.P., Allahabad
17. Institution submitting information :

( 1408 )

1. Name of the test : **Adaptation of Pidgeon Non-verbal Test 5**
2. Author : **Adaptation by Manovigyan Shala, U.P.**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Pidgeon Non-verbal Test was originally designed as a measure of non-verbal ability of children. It claims to measure general ability of non-verbal type. It is especially useful for measuring intelligence of children who are backward at reading and who have relatively high general ability**
4. Group or individual : **Group**
5. Age or age range for which meant : **It was found suitable for the age range of 9 plus to 10 plus in England and Wales. But in India it was found suitable for the students of class VIII of the age group of 10 plus to 15 plus**
6. Number of sub-tests and items under each : **The test consists of 4 sub-tests with 25 items in each of them. The sub-tests are (i) Cyphers, (ii) Similarities, (iii) Analogies and (iv) Series**
7. Time required to administer each of the sub-tests and the test as a whole : **Different sub-tests required different time limit ranging from 5 minutes to 6½ minutes**
8. Whether any shock absorber or practice items included in the test : **As the test claims to measure non-verbal ability of children, care has been taken to provide detailed oral explanations and practice items before the commencement of each of the four sub-tests contained in the test. Attempt has, thus, been made to reduce the effect of the language factor to the minimum. Children are made familiar with the type of items, they will encounter in working the sub-tests by means of practice tests with a view to providing a safeguard for the poor readers**

## ( 1409 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P.R.W. Test 16</b>   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Block design test of intelligence                               |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 10 designs with 74 blocks                                       |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 6 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Two sets  |
| 9. Size of the sample on which standardized :   | 400   |
| 10. Reliability coefficient and the method used for reliability determination :             | .95   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with Psychological Research Wing, Ministry of Defence |
| 14. Price :   | Classified—not for sale   |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence, New Delhi     |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi     |



( 1410 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P.R.W. Test 17</b>   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Colour series test used as a performance test of intelligence   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 8 designs with 45 blocks  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 6 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 400   |
| 10. Reliability coefficient and the method used for reliability determination :             | .84   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with Psychological Research Wing, Ministry of Defence |
| 14. Price :   | Classified—not for sale   |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence                |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi     |

## ( 1411 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P.R.W. Test 18</b>   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Nail-board test of intelligence                                 |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 11 designs with 167 nails                                       |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 6 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 400   |
| 10. Reliability coefficient and the method used for reliability determination :             | .95   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with Psychological Research Wing, Ministry of Defence |
| 14. Price :   | Classified—not for sale   |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence                |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi     |

## ( 1412 )

- |   |   |
|---|---|
| 1. Name of the test :   | P.R.W. Test 19  |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi         |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) ;                             | Non-verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 50 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 10 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Two practice sets   |
| 9. Size of the sample on which standardized :   | 430   |
| 10. Reliability coefficient and the method used for reliability determination :             | .81   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with the Psychological Research Wing, Ministry of Defence |
| 14. Price :   | Classified—not for sale   |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence                    |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi         |

## ( 1413 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P.R.W. Test 24</b>   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 32 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 20 minutes  |
| 8. Whether any shock absorber or practice items included in the test .                      | Yes   |
| 9. Size of the sample on which standardized :   | 400   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with Psychological Research Wing, Ministry of Defence |
| 14. Price :   | Classified—not for sale   |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence                |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi     |

( 1414 )

- |   |   |
|---|---|
| 1. Name of the test :   | P.R.W. Test 26  |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi           |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal test of intelligence                                       |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 67 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 639   |
| 10. Reliability coefficient and the method used for reliability determination :             | .87   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with Psychological Research Wing of the Ministry of Defence |
| 14. Price :   | Classified—not for sale   |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence                      |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi           |



( 1415 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Goodenough "Draw-A-Man" Test</b>   |
| 2. Author :   | P.L. Shrimali   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Performance   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 6 to 15 years   |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 10 minutes for the test as a whole  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 2,374   |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest reliability .77 (N=70)  |
| 11. Validity coefficient and the criterion used :   | Correlation with Menzel's General Intelligence Test is $.55 \pm .03$ (N=229)                  |
| 12. Important studies in which the test may have been used and important findings thereof : | Correlation of .84 was found with Drever and Collins (N=16)                                   |
| 13. Norms, key and any other supplementary material :                                       | Norms are available from the author (Principal, Vidya Bhavan G.S. Teachers' College, Udaipur) |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   | Standardized for Mewar children   |
| 17. Institution submitting information :  | Vidya Bhavan Teachers' College, Udaipur   |

( 1416 )

1. Name of the test :	<b>Matrices</b>
2. Author :	Department of Education, Gorakhpur University
3. Nature of the test (verbal, non-verbal, performance, etc.) :	Non-verbal
4. Group or individual :	Group
5. Age or age range for which meant :	10 years and 8 months to 16 years and 9 months
6. Number of sub-tests and items under each :	32 items
7. Time required to administer each of the sub-tests and the test as a whole :	18 minutes
8. Whether any shock absorber or practice items included in the test :	Yes
9. Size of the sample on which standardized :	934
10. Reliability coefficient and the method used for reliability determination :	Not found
11. Validity coefficient and the criterion used :	
12. Important studies in which the test may have been used and important findings thereof :	Used to compare rural-urban boys and to factorize matrix
13. Norms, key and [any other supplementary material :	Norms not established
14. Price :	
15. Source from which available :	
16. Any other information :	
17. Institution submitting information :	Department of Education, Gorakhpur University, Gorakhpur, U.P.

( 1417 )

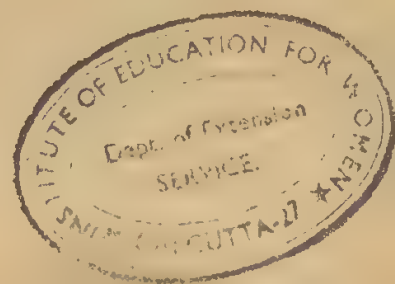
Gujarati

1. Name of the test :	<b>Item Analysis of the Progressive Matrices</b>
2. Author :	<b>Test</b>
3. Nature of the test (verbal, non-verbal, performance, etc.) :	<b>Research by K. A. Desai</b>
4. Group or individual :	<b>Performance</b>
5. Age or age range for which meant :	<b>Group</b>
6. Number of sub-tests and items under each :	<b>12 to 16 years</b>
7. Time required to administer each of the sub-tests and the test as a whole :	<b>Sub-test 1 : 12 items ; 2 : 12 ; 3 : 12 ; 4 : 12 ; 5 : 12</b>
8. Whether any shock absorber or practice items included in the test :	<b>No</b>
9. Size of the sample on which standardized :	<b>200</b>
10. Reliability coefficient and the method used for reliability determination :	
11. Validity coefficient and the criterion used :	
12. Important studies in which the test may have been used and important findings thereof :	
13. Norms, key and any other supplementary material :	
14. Price :	
15. Source from which available :	<b>Faculty of Education and Psychology, M. S. University, Baroda</b>
16. Any other information :	<b>F.M. Gandhi has also done some work on this test, particulars of which are available from the above mentioned source</b>
17. Institution submitting information :	<b>Faculty of Education and Psychology, M.S. University, Baroda</b>

( 1418 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Closure  |
| 2. Author :   | Department of Education, Gorakhpur University                  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 10 years and 8 months to 16 years and 9 months                 |
| 6. Number of sub-tests and items under each :   | 69 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 20 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 934  |
| 10. Reliability coefficient and the method used for reliability determination :             | Not found  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : | Used to compare rural-urban boys and to factorize matrix       |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   |  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Department of Education, Gorakhpur University, Gorakhpur, U.P. |



( 1419 )

1. Name of the test : **N.V.T.I. (Non-Verbal Test of Intelligence)**
2. Author : **G. H. Nafde**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Non-verbal (paper and pencil)**
4. Group or individual : **Group**
5. Age or age range for which meant: **10 years and onwards (though there are norms for age 9 also)**
6. Number of sub-tests and items under each : **4 sub-tests each having 20 items (Total 80 items excluding 24 practice items)**
7. Time required to administer each of the sub-tests and the test as a whole : **5 minutes per sub-test ; about 70 minutes including instructions**
8. Whether any shock absorber or practice items included in the test : **Yes ; 6 in each sub-test. Total 24**
9. Size of the sample on which standardized : **7,500 for class norms including about 5,400 for age norms**
10. Reliability coefficient and the method used for reliability determination :
  - (i) Split-half ; (a) .94 (N=134) ; (b) .89 (N=129) ;
  - (ii) Test-retest ; (a) after 24 hours .87 (N=81) ; (b) after 1 week .88 (N=80) , (c) after 2 weeks .83 (N=48) , (d) after 3 months .74 (N=66) ;
  - (iii) Kuder-Richardson , (a) .88 , (b) .92 ; (c) .93 , (d) .93 , (e) .96 (N=104). Except for (e), graphs for test-retest and Kuder 'r' are the same



11. Validity coefficient and the criterion used :

(i) With total marks in annual examination (1959-60) :  
Class VIII A M.G.H. School, Delhi,  $Rho = .48$  ( $N = 29$ ),  
class VIII A Anglo Arabic H. School, Delhi,  $Rho = .54$   
( $N = 26$ ) , class VIII B Anglo Arabic H. School,  $Rho = .35$   
( $N = 27$ ) ;

(ii) with teachers' judgments of Delhi Polytechnic,  
Delhi, classes of 1959-60, contingency coefficient in  $5 \times 5$   
table class XI A .67 ( $N = 22$ ) , class X A .53 ( $N = 27$ ) ,  
class IX A .58 ( $N = 31$ ) ;

(iii) with individual school subjects , 1959-60 (class VIII)  
M. C. School, Delhi,  $N = 29$ . Maths,  $Rho = .62$  , Sc.,  $Rho$   
.43 , Eng.,  $Rho .45$  , Hindi,  $Rho = .49$ , Sanskrit,  $Rho = .12$

(iv) with other tests :

	N	Coefficient on the ex- ptl. sample	Coefficient estimated for a large sample	Coefficient after cor- rection for attenuation assuming the average r 11 for the test to be .9
(a) With N.I.I.P. 70/23	99	.51	.74	.82
(b) With Progressive Matrices	99	.59	.80	.88
(c) With the Non- verbal test of the National Foundation of Educational Re- search, London (cyclostyled form)	104	.75	.88	1.0
(d) Verbal test of intelligence of CBEVG, Delhi in Hindi (involves a lot of language com- prehension ; cy- clostyled form)	123	.62	.76	.97

(e) D.A.T.A.R.  
Form 'A' 61 .71

(f) Otis Self-Admin-  
istering, Higher  
form .48

(g) —do— .69

(v) Factor validity

It came out to be unifactor test having the following loadings :

Test	Loadings
1	.680
2	.546
3	.763
4	.540

Practice effect on Mean

1. after 24 hrs. +8.14 pts.
2. after 1 week 10.19 pts.
3. after 2 weeks 13.12 pts.

12. Important studies in which the test may have been used and important findings thereof :

The test has only recently been accepted for the Ph.D. (Education) of the University of Bombay

13. Norms, key and any other supplementary material :

(i) Age norms area available for 9 yrs.—17 yrs. Separately and combined for (a) Bombay boys, (b) Bombay girls, (c) Bombay and mofussil boys and girls combined ; can be converted into I.Q.'s. (ii) Class norms for classes V to XI of Bombay and mofussil, separate for boys and girls

14. Price :

Not yet fixed

15. Source from which available:

Not yet published ; available for experimentation from Dr. G.H. Nafde, Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1

16. Any other information :

The test is being tried in Allahabad, Calcutta, Jullundur and Jabalpur. The results are yet to be received

17. Institution submitting information :

Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1

( 1420 )

- |   |   |
|---|---|
| 1. Name of the test   | <b>Non-Verbal Intelligence Test</b>   |
| 2. Author :   | A. Jamil Qadir, Saeed Ahmad Siddiqi and S. Sultan Akhtar  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal  |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which meant :   | 6-14 years  |
| 6. Number of sub-tests and items under each :   | It consists of 10 sub-tests and there are 198 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Educational and Vocational Guidance Centre, Department of Philosophy and Psychology, Muslim University, Aligarh |

( 1421 )

- |   |  |
|---|--|
| 1. Name of the test :   | K.N.P.I.   |
| 2. Author :   | Ramanath Kundu   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Paper-pencil non-verbal test   |
| 4. Group or individual :  | Both   |
| 5. Age or age range for which meant :   | Adults   |
| 6. Number of sub-tests and items under each :   | 66 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Approximately 30 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 1050   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability for males .89 and for females .88                         |
| 11. Validity coefficient and the criterion used :   | Male : .86, female : .88, the criterion being scores of neurotic subjects        |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Will be available in printed form very soon                                      |
| 14. Price :   | Not yet fixed  |
| 15. Source from which available :   | Dr. Ramanath Kundu, Department of Psychology, Calcutta University                |
| 16. Any other information :   | The test is intended to determine neuroticism in normal and maladjusted persons. |
| 17. Institution submitting information :  | Department of Psychology, Calcutta University, Calcutta-9                        |

( 1422 )

- |  |  |
|--|--|
| 1. Name of the test :  | <b>Construction and Standardisation of a Non-verbal Test of Intelligence with special reference to the Mysore State</b>  |
| 2. Author :  | M. G. Premalatha   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                | Non-verbal   |
| 4. Group or individual :   | Group  |
| 5. Age or age range for which meant :  | 8 to 13 years  |
| 6. Number or sub-tests and items under each :                                  | Six sub-tests<br>sub-test (i) Similarities 14 items ; (ii) Classification 15 ; (iii) Progressive Series 15 ; (iv) Analogies 15 ; (v) Absurdities 24 ; (vi) Substitution 100. Total items 183.  |
| 7. Time required to administer each of the sub-tests and the test as a whole : | Similarities 2 minutes ;<br>Classification $2\frac{1}{2}$ minutes ;<br>Progressive Series $3\frac{1}{4}$ minutes ;<br>Analogies $3\frac{1}{2}$ minutes ;<br>Absurdities 3 minutes ;<br>Substitution I, $1\frac{1}{2}$ minutes and Substitution II, 2 minutes. Total time 18 minutes, 10 to 15 minutes for instructions<br>Total time required 45 minutes |
| 8. Whether any shock absorber or practice items included in the test :         | Each sub-test has practice items   |
| 9. Size of the sample on which standardised :                                  | 7841 boys and girls  |
| 10. Reliability coefficient and method used for reliability determination :    | Split-half reliability<br>.97, Kuder-Richardson .96, Flanagan .95  |
| 11. Validity coefficient and the criterion used :                              | With another standardised verbal test in Kannada .69 ; with school marks .37 ; with teachers' estimates .35  |



- |   |   |
|---|---|
| 12. Important studies in which the test may have been used and important findings thereof : | The test has been used in quite a few studies. Negligible relationship was found between test scores with parents' occupation and caste. Relationship of scores with sex was not significant for ages 8, 9, 10 and 13. It was significant for ages 11 and 12. Significant differences in test scores were found among students from rural, urban and industrial areas |
| 13. Norms, key and any other supplementary material :                                       | Averages, decile points, I.Q.'s provided by way of norms for each age group. Key available. Manual under preparation  |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | M.G. Premalatha State Bureau of Educational and Vocational Guidance, Bangalore  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | M.G. Premalatha State Bureau of Educational and Vocational Guidance, Bangalore-20   |

( 1423 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Series Completion Test, Forms A and B</b>  |
| 2. Author :   | Shib K. Mitra   |
| 3. Nature of the test : (verbal, non-verbal, performance, etc.) :               | A non-verbal test of reasoning ability. Instructions available in Gujarati and in English   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 15 to 35 years  |
| 6. Number of sub-tests and items under each :                                   | 30 items in each form. One item in Form A is not scored   |
| 7. Time required to administer each of the sub-tests and the test as a whole :  | 30 minutes including the time for reading the directions  |
| 8. Whether any shock absorber or practice items included in the test :          | Yes   |
| 9. Size of the sample on which standardized :                                   | 581 for the original English form. Forms A and B have been used in large samples of school and college students in Gujarat and Mysore. The test has also been used in the selection of clerks in Ahmedabad and in Delhi   |
| 10. Reliability coefficient and the method used for reliability determination : | .81 by Kuder-Richardson formula 21 on N=581 ; .79 by Spearman-Brown formula on N=388 ; reliabilities from .65 to .79 by Kuder-Richardson formula 21 for other groups  |
| 11. Validity coefficient and the criterion used :                               | .556 against Raven's Progressive Matrices (N=155) ; .85 against Revised Minnesota Paper Form Board (N=63) ; .51 against Desai's Group Test of Intelligence (N=74) ; .37 against Dave's Test of Verbal Reasoning (N=74) ; .71 against General Science marks in SSLC (N=100), .48 against B.Sc. Engineering I year marks (N=74) |

12. Important studies in which the test may have been used and important findings thereof :  
One paper was published in *Psychological Studies*, Vol. 4, No. 2, 1959. Another paper on different groups will be published soon. Another version of the test has been developed to be used with textile mill workers. In this version the items are blocks of red and blue colours in place of the two alphabets in the original test and the directions are in Gujarati
13. Norms, key and any other supplementary Material :  
Scoring keys and tables for converting raw scores into T-Scores and Percentiles are available from the author
14. Price :  
Not yet fixed
15. Source from which available :  
Shib K. Mitra, Head of the Department of Psychological Foundations
16. Any other information :
17. Institution submitting information :  
Department of Psychological Foundations,  
National Institute of Education, H-2/3,  
Model Town, Delhi-9

( 1501 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>C. I. E. Individual Scale of Intelligence</b>  |
| 2. Author :   | Central Institute of Education  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                 | Mixed   |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   | 3 years to adult. Standardized at present up to 11 plus only  |
| 6. Number of sub-tests and items under each :                                   | There are six items and two alternative items for each age  |
| 7. Time required to administer each of the sub-tests and the test as a whole :  | No time limit in general ; for some items time is fixed   |
| 8. Whether any shock absorber or practice items included in the test :          | No  |
| 9. Size of the sample on which standardized :                                   | 1250 children of ages 3 plus to 15 plus   |
| 10. Reliability coefficient and the method used for reliability determination : | Not available   |
| 11. Validity coefficient and the criterion used :                               | (i) Internal consistency is reported by biserial $r$ 's for each item against the test as a whole. These values are distributed in the following manner : |

<i>Value of r</i>	<i>No. of cases</i>
.30—.39	4
.40—.49	6
.50—.59	12
.60—.69	22
.70—.79	22
.80—.89	6

Median value is around .66

(ii) Increasing pass percentages of items with the increase of chronological age are given. (By itself this is no criterion of validity, but since the test is an adaptation of the well known Terman-Merrill Scale of Intelligence, this may be considered useful)

- |   |  |
|---|--|
| 12. Important studies in which the test may have been used and important findings thereof : | Not available. The test has been used in Child Guidance Clinic of College of Nursing for quite a few years |
| 13. Norms, key and any other supplementary material :                                       | A manual of instructions is published as CIE Publication No. 16  |
| 14. Price :   | Rs. 3.00   |
| 15. Source from which available :   | Atma Ram & Sons, Kashmere Gate, Delhi  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Central Institute of Education, 33, Chhatra Marg, Delhi-7  |

( 1502 )

Hindi

1. Name of the test : **Hindi Adaptation of Stanford Binet Test of Intelligence, Scale 'L' (Individual)**
2. Author : **Manovigyan Shala, U. P.**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Mixed**
4. Group or individual : **Individual**
5. Age or age range for which meant : **2 years to Superior Adult**
6. Number of sub-tests and items under each : **The test has been graded with an interval of 6 months from 2 years to 6 years and thereafter with yearly intervals. There are six sub-tests at each age-level except the Average Adults where there are eight sub-tests**
7. Time required to administer each of the sub-tests and the test as a whole : **Some sub-tests are timed, others not**
8. Whether any shock absorber or practice items included in the test : **No**
9. Size of the sample on which standardized : **After a preliminary try-out on 200 cases the adaptation was published in 1953 in the form of a manual**
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Norms, key, record form, item analysis form and manual (in Hindi), containing the details of the test and scoring method are available**
14. Price : **Unpriced**
15. Source from which available : **Manovigyan Shala, U.P.**



16. Any other information :                      It was in 1950 that the Manovigyan Shala started the adaptation of this test in Hindi. Two articles concerning the adaptation have been published in "*Shiksha*", April 1951, pages 112-119 and October 1951, pages 68-83
17. Institution submitting information :                      Manovigyan Shala, Allahabad, U.P.

( 1601 )

**Bengali**

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Intelligence Test A and B</b>  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal and non-verbal   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 13 years and upwards  |
| 6. Number of sub-tests and items under each :   | 8 sub-tests with 81 items in each form  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 40 minutes for each form (separate time limits for the sub-tests)                       |
| 8. Whether any shock absorber or practice items included in the test :                      | Examples precede each sub-test  |
| 9. Size of the sample on which standardized :   | Is being widely administered for standardization purpose                                |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Not fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta   |

( 1602 )

Bengali

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Intelligence Test A</b>  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal and non-verbal   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of classes I and II (i. e., age group 6-7)   |
| 6. Number of sub-tests and items under each :   | 26 items in all   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes, in some cases  |
| 9. Size of the sample on which standardized :   | First administered on a sample of 219 children  |
| 10. Reliability coefficient and the method used for reliability determination :             | Reliability coefficient by the test-retest method (6 months' interval) in respect of a sub sample of 31 (of the original sample) was .45 (estimated $r$ for the original sample of 219 was .83) |
| 11. Validity coefficient and the criterion used :   | Validity coefficients, with school attainment as the criterion, range from .31 to .56 for different examinations  |
| 12. Important studies in which the test may have been used and Important findings thereof : | Primarily meant for selection of pupils for admission to class I. It is now being used at the Child Guidance Centre attached to the Bureau  |
| 13. Norms, key and any other supplementary material :                                       | Provisional norms available   |
| 14. Price :   | Not fixed   |

15. Source from which available : Bureau of Educational and Psychological Research, David Hare Training College. Calcutta
16. Any other information :
17. Institution submitting information : David Hare Training College, Calcutta-19

(1603)

Bengali

- |   |   |
|---|---|
| 1. Name of the test :   | <b>A Group Test of Intelligence in Bengali</b>  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal and non-verbal (directions in Bengali)   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of classes VI to X (but mainly for class VIII and upwards)   |
| 6. Number of sub-tests and items under each :   | Two parts with 3 and 2 sub-tests respectively   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | First part—25 minutes (distributed among the different sections of each sub-test); second part—21 minutes (distributed among different sections of each sub-test) |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 1347  |
| 10. Reliability coefficient and the method used for reliability determination :             | .97 by the split-half method  |
| 11. Validity coefficient and the criterion used :   | Factorial validity fairly satisfactory. Working from .17 to .65 in 10 schools with an average of .46  |
| 12. Important studies in which the test may have been used and important findings thereof : | Monograph No. VII of the Bureau contains all relevant information about the test  |
| 13. Norms, key and any other supplementary material :                                       | Provisional   |
| 14. Price :   | Not fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19  |

( 1604 )

**Bengali**

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Intelligence Test B</b>   |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal, with one item of the 'Draw-a-man' type   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of classes III and IV (i.e., age group 8-9)   |
| 6. Number of sub-tests and items under each :   | 36 items distributed among four sub-tests  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 27 minutes in all, with separate time limits for sub-tests   |
| 8. Whether any shock absorber or practice items included in the test :                      | Two examples precede two of the sub-tests  |
| 9. Size of the sample on which standardized :   | First administered on a sample of 173 pupils   |
| 10. Reliability coefficient and the method used for reliability determination :             | The reliability coefficient by the test-retest method (6 months' interval) was .72 (for a sub-sample of 44 of the original sample)   |
| 11. Validity coefficient and the criterion used :   | The validity coefficients with school attainment as the criterion range from .44 to .47  |
| 12. Important studies in which the test may have been used and important findings thereof : | Primarily meant for selection of pupils for admission to class III. It is now being used at the Child Guidance Centre of this Bureau |
| 13. Norms, key and any other supplementary material :                                       | Provisional norms available  |
| 14. Price :   | Not fixed  |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19   |



( 1605 )

**Bengali**

1. Name of the test : **Group Intelligence Test for Juniors**
2. Author : **G. B. Kapat**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal and non-verbal combined**
4. Group or individual : **Group**
5. Age or age range for which meant : **9 to 12 years. Intended for children of classes IV to VI**
6. Number of sub-tests and items under each : **5 sub-tests. Sub-test 1 : 20 ; 2 : 15 ; 3 : 18 ; 4 : 12 ; 5 : 10**
7. Time required to administer each of the sub-tests and the test as a whole : **Time limit for sub-test I : 2 minutes ; II : 5 minutes ; III : 3 minutes ; IV : 1 minute ; V : 1 minute. Test as a whole : 35 minutes**
8. Whether any shock absorber or practice items included in the test : **Practice items are included under each sub-test**
9. Size of the sample on which standardized : **700 children**
10. Reliability coefficient and the method used for reliability determination : **Split-half reliability coefficient of the test is .90**
11. Validity coefficient and the criterion used : **Validity coefficient is .50 against school achievement**
12. Important studies in which the test may have been used and important findings thereof : **The test may be used for screening students for admission to secondary school.**
13. Norms, key and any other supplementary material : **Scoring key, grade norms and percentile norms have been prepared**
14. Price :
15. Source from which available :
16. Any other information : **Printed copies of the test will be available very soon**
17. Institution submitting information : **Department of Education, Calcutta University, Calcutta**

**ACHIEVEMENT TESTS—LANGUAGES**

( 2201 )

Bengali

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Bengali Attainment Test</b>  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class VIII and upwards  |
| 6. Number of sub-tests and items under each :   | 50 items under seven subheads   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 50 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 2609 pupils of class VIII   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | Being used in the Bureau's work on allocation of pupils in Secondary Education          |
| 13. Norms, key and any other supplementary material :                                       | Provisional norms available   |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College           |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19  |

( 2401 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P. R. W. Test 3</b>  |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | English comprehension test                                      |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 94 Items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 45 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 500   |
| 10. Reliability coefficient and the method used for reliability determination :             | .85   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with Psychological Research Wing, Ministry of Defence |
| 14. Price :   | Not for sale  |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence                |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi     |

( 2402 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | P. R. W. Test 25  |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | English Comprehension Test                                      |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 80 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 500   |
| 10. Reliability coefficient and the method used for reliability determination :             | .92   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with Psychological Research Wing, Ministry of Defence |
| 14. Price :   | Classified, not for sale  |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence                |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi     |

( 2403 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | An Achievement Test in English for Class VIII   |
| 2. Author :   | P. K. Dogra   |
| 3. Nature of the test (verbal, - non-verbal, performance, etc.) :                           | Non-verbal  |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   | For pupils of class VIII  |
| 6. Number of sub-tests and items under each :   | Sub-test 1, 5 items ; 2 : 8 ; 3 : 6 ; 4 : 6 ; 5 : 5 ; 6 : 8 ; 7 : 6 ; 8 : 7 ; 9 : 7 ; 10 : 7  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-test 1 : 3 minutes ; 2 : 4 ; 3 : 6 ; 4 : 5 ; 5 : 4 ; 6 : $3\frac{1}{2}$ ; 7 : $3\frac{1}{2}$ ; 8 : $5\frac{1}{2}$ ; 9 : 3 ; 10 : $6\frac{1}{2}$ |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 1450  |
| 10. Reliability coefficient and the method used for reliability determination :             | By split-half method .99 ; by Kuder-Richardson formula .93 ; standard error of measurement .99 ; by Cyril Hoyt .99                                  |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms, diagnostic value of the test, charts, tables, graphs, etc.  |
| 14. Price :   |   |
| 15. Source from which available :   | Faculty of Education and Psychology, M. S. University   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M. S. University, Baroda   |



( 2404 )

English

1. Name of the test : Construction and Standardization of Achievement Test in English for Standard IX of Gujarat
2. Author : P. H. Dave
3. Nature of the test (verbal, non-verbal, performance, etc.) : Non-verbal
4. Group or individual : Individual
5. Age or age range for which meant : For pupils of standard IX
6. Number of sub-tests and items under each : 12 sub-tests. Sub-test 1 : 5 items ; 2 : 5 ; 3 : 6 ; 4 : 5 ; 5 : 5 ; 6 : 5 ; 7 : 5 ; 8 : 7 ; 9 : 7 ; 10 : 8 ; 11 : 8 ; 12 : 5. Total items : 71
7. Time required to administer each of the sub-tests and the test as a whole : Sub-test 1 : 3 minutes ; 2 : 3 ; 3 : 4 ; 4 : 4 ; 5 : 3 ; 6 : 4 ; 7 : 5 ; 8 : 4 ; 9 : 6 ; 10 : 6 ; 11 : 6 ; 12 : 3
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : 1368
10. Reliability coefficient and the method used for reliability determination : By split-half method .99 ; standard error of measurement .99 ; by Cyril Hoyt method .91
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Percentile norms, graphs, charts, etc.
14. Price :
15. Source from which available : Faculty of Education and Psychology, M. S. University
16. Any other information :
17. Institution submitting information ; Faculty of Education and Psychology, M. S. University, Baroda

( 2405 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Construction and Standardization of Achievement Test in English for Standard X of Gujarat</b>  |
| 2. Author :   | M. S. Daruwala  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of standard X  |
| 6. Number of sub-tests and items under each :   | 10 sub-tests. Sub-test 1 : 10 items ;<br>2 : 6 ; 3 : 7 ; 4 : 7 ; 5 : 7 ; 6 : 9 ;<br>7 : 10 ; 8 : 8 ; 9 : 2 ; 10 : 14 : Total items 80   |
| 7. Time required to administer each of the sub-test and the test as a whole :               | 65 minutes for test as a whole  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 1386  |
| 10. Reliability coefficient and the method used for reliability determination :             | By test-retest method .90 ; by split-half method .90 ; by Kuder-Richardson formula .92 ; by Hoyt's formula .89 ; by Rulon's formula .90 |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Graphs, charts, diagnostic and incidental studies, percentile norms   |
| 14. Price :   |   |
| 15. Source from which available :   | Faculty of Education and Psychology, M. S. University   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M. S. University, Baroda   |

( 2406 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Diagnostic English Grammar Test</b>                           |
| 2. Author :   | Kanti Pal  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of high school classes IX & X                         |
| 6. Number of sub-tests and items under each :   | 31 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit  |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 311  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability .85                                       |
| 11. Validity coefficient and the criterion used :   | .65 with school examination marks in English                     |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Key given in the thesis  |
| 14. Price :   | Not for sale   |
| 15. Source from which available :   | Not published  |
| 16. Any other information :   | Approved as M. Ed. project in the year 1959                      |
| 17. Institution submitting information :  | Teachers' Training College, Banaras<br>Hindu University, Banaras |

( 2407 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | Estimate of Meaning Vocabulary in English  |
| 2. Author :   | Kamak Suman Jain   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class VII  |
| 6. Number of sub-tests and items under each :   | 653 items in five sections   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit  |
| 8. Whether any shock absorber or practice item included in the test :                       | Yes, three items   |
| 9. Size of the sample on which standardized :   | 250  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Percentages of difficult, average and easy words stated. Key given in the thesis |
| 14. Price :   | Not for sale   |
| 15. Source from which available :   | Not published  |
| 16. Any other information :   | Approved as M.Ed. project in the year 1958                                       |
| 17. Institution submitting information :  | Teachers' Training College, Banaras<br>Hindu University, Banaras                 |

( 2408 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | Meaning Vocabulary Estimate  |
| 2. Author :   | Raj Laxmi  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class VII  |
| 6. Number of sub-tests and items under each :   | 1242 items in 9 equal sections   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes, 3 items   |
| 9. Size of the sample on which standardized :   | 360  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Percentage of difficult average and easy words reported. Key given in the thesis |
| 14. Price :   | Not for sale   |
| 15. Source from which available :   | Not published  |
| 16. Any other information :   | Approved as M.Ed. project in the year 1959                                       |
| 17. Institution submitting information :  | Teachers' Training College, Banaras<br>Hindu University, Banaras                 |

( 2409 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | Estimate of Meaning Vocabulary in English   |
| 2. Author :   | Girish Rastogi  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class VIII  |
| 6. Number of sub-tests and items under each :   | 1342 items in nine parts of 133 to 135 items                                      |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes, 3 items  |
| 9. Size of the sample on which standardized :   | 250   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Percentage of difficult, average and easy words reported. Key given in the thesis |
| 14. Price :   | Not for sale  |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Approved as M.Ed. project in the year 1959  |
| 17. Institution submitting information :  | Teachers' Training College, Banaras Hindu University, Banaras                     |



( 2410 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | Allahabad English Test  |
| 2. Author :   | Sohan Lal   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 11 plus   |
| 6. Number of sub-tests and items under each :   | 100 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 45 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Examples are used as practice items   |
| 9. Size of the sample on which standardized :   | About 1425 eleven-year old boys and girls of 58 Government High Schools of U.P. |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Manual, norms, key and other supplementary material are available               |
| 14. Price :   |   |
| 15. Source from which available :   | Kitabistan  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U. P.  |

( 2411 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Coimbatore Standard Tests in English</b>  |
| 2. Author :   | M. Aram and P. Rangaswamy  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 13 to 14 years   |
| 6. Number of sub-tests and items under each :   | Part I—(1) Language Usage : 41 items ; (2) Spelling ; 42 ; (3) Punctuation and Capitalization : 27. Part II—(4) Reading Comprehension : 43 items ; (5) Vocabulary : 46   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Part I—For distributing papers, reading directions, etc. : 10 minutes ; and for sub-test 1 : 20 minutes ; 2:15 ; 3 : 10. Part II—For distributing papers, reading directions, etc. : 10 minutes and for sub-test 4 : 35 minutes ; 5 : 25. Total time required : 70 minutes |
| 8. Whether any shock absorber or practice items included in the test :                      | No. Only model answers presented   |
| 9. Size of the sample on which standardized :   | 1086 from 20 schools in Coimbatore District  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability for Part I is .82 and for Part II is .96  |
| 11. Validity coefficient and the criterion used :   | Statistical validity not calculated. Curricular validity obtained by the judgements of subject committee on English  |
| 12. Important studies in which the test may have been used and important findings thereof : | "A study of the Socio-economic Conditions of High School Pupils in Coimbatore District" (with reference to its relation to academic achievement) conducted by the Research Department of the Teachers' College of the Sri Ramakrishna Mission Vidyalaya                    |

13. Norms, key and any other supplementary material :  
Test booklets, manual and answer sheets are available. Norms included in the manual
14. Price :  
Not priced
15. Source from which available :  
Research Department, Teachers' College, Sri Ramakrishna Mission Vidyalaya
16. Any other information :
17. Institution submitting information :  
Research Department, Teachers' College, Sri Ramakrishna Mission Vidyalaya, Sri Ramakrishna Mission Vidyalaya P.O. Coimbatore District, Madras

( 2412 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | English Test   |
| 2. Author :   | B. R. College of Education, Agra   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 13 plus (students of class VIII)   |
| 6. Number of sub-tests and items under each :   | Three—Part I (Comprehension and Vocabulary) has 58 items ; Part II (Grammar and Translation) has 55 items ; Part III (Spelling) has 65 items |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Part I : 30 minutes. Part II : 30 minutes<br>Part III : 30 minutes (approx.)   |
| 8. Whether any shock absorber or practice items included in the test :                      | No. But illustrations have been provided   |
| 9. Size of the sample on which standardized :   | 1200   |
| 10. Reliability coefficient and the method used for reliability determination :             | Part I : .87; Part II : .90. By the method of rational equivalence, Part II has the reliability of .96                                       |
| 11. Validity coefficient and the criterion used :   | .37 with school marks (average of half-yearly and annual examination marks)  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Given in the manual  |
| 14. Price :   | Not priced. It may be reprinted at one's own cost with permission of the author  |
| 15. Source from which available :   | B. R. College of Education   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | B. R. College of Education, Agra   |

( 2413 )

- |   |   |
|---|---|
| 1. Name of the test :   | Achievement Test in English                         |
| 2. Author :   | Fatima Aziz   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of Pre-University class                  |
| 6. Number of sub-tests and items under each :   | 131 in the original and 89 in the final test        |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1½ hours for the first draft                        |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 180   |
| 10. Reliability coefficient and the method used for reliability determination :             | .904 by the split-half method                       |
| 11. Validity coefficient and the criterion used :   | Not validated                                       |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | Department of Education, Muslim University, Aligarh |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Department of Education, Muslim University, Aligarh |

( 2414 )

1. Name of the test :	<b>Burt's Test of English (Reading)</b> (development of norms for)
2. Author :	Badrul Islam
3. Nature of the test (verbal, non-verbal, performance, etc.) :	Verbal
4. Group or individual :	Group
5. Age or age range for which meant :	12 to 14 years
6. Number of sub-tests and items under each :	47 items
7. Time required to administer each of the sub-tests and the test as a whole :	50 minutes
8. Whether any shock absorber or practice items included in the test :	No
9. Size of the sample on which standardized :	900
10. Reliability coefficient and the method used for reliability determination :	.67 for class X, .36 for class IX, by Kuder-Richardson formula
11. Validity coefficient and the criterion used :	Validated against marks in final examination
12. Important studies in which the test may have been used and important findings thereof :	
13. Norms, key and any other supplementary material :	
14. Price :	
15. Source from which available :	Department of Education, Muslim University, Aligarh
16. Any other information :	
17. Institution submitting information :	Department of Education, Muslim University, Aligarh



( 2501 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | <b>A Test of Reading and Comprehension</b>  |
| 2. Author :   | N. P. Dave  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For students of classes III to XI   |
| 6. Number of sub-tests and items under each :   | Five sub-tests with 10 items each   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Time limit for classes III and IV: 30 minutes ; for classes V, VI and VII : 20 minutes ; for classes VIII, IX, X and XI : 15 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 5918 students (3861 boys and 2057 girls)  |
| 10. Reliability coefficient and the method used for reliability determination :             | .95 by the split-half method (corrected by Spearman-Brown formula)  |
| 11. Validity coefficient and the criterion used :   | With the average of the two annual examination marks in Gujarati, validity coefficient is .81. With sub-test No. 7 of Joshi's Group Test of Intelligence, validity coefficient is .65 |
| 12. Important studies in which the test may have been used and important findings thereof : | The test is being used by the Gujarat Research Society for vocational guidance and is found to be very useful   |
| 13. Norms, key and any other supplementary material :                                       | Available   |
| 14. Price :   | Re. 0.15 per booklet  |
| 15. Source from which available :   | Gujarat Research Society  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Institute, Gujarat Research Society, Samsodhan Sadan, South Avenue, Khar, Bombay-52  |

( 2502 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | Basic Vocabulary of Gujarati Children<br>at 11 plus  |
| 2. Author :   | K. S. Vakil  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 11 plus  |
| 6. Number of sub-tests and items under each :   |  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |  |
| 8. Whether any shock absorber or practice items included in the test :                      |  |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   |  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Indian Institute of Education, Chembur,<br>Bombay-71 |

( 2503 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Standardization of Gujarati Vocabulary,<br>Language Comprehension |
| 2. Author :   | N. P. Dave  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 9 to 16 years   |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 1 hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 10,000  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | Gujarat Research Society  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Indian Institute of Education, Chembur,<br>Bombay-71              |

(2601)

**Hindi**

- |  |  |
|--|--|
| 1. Name of the test :  | <b>Hindi Attainment Test for Class V (B.P.T.I.)</b>        |
| 2. Author :  | Manovigyan Shala, U. P.                                    |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                            | Verbal   |
| 4. Group or individual :   | Group  |
| 5. Age or age range for which meant :  | For students of class V                                    |
| 6. Number of sub-tests and items under each :  |  |
| 7. Time required to administer each of the sub-tests and the test as a whole :             |  |
| 8. Whether any shock absorber or practice items included in the test :                     |  |
| 9. Size of the sample on which standardized :  |  |
| 10. Reliability coefficient and the method used for reliability determination :            |  |
| 11. Validity coefficient and the criterion used :  |  |
| 12. Important studies in which the test may have been used and important findings thereof. |  |
| 13. Norms, key and any other supplementary material :                                      | Key and instructions for administration are available      |
| 14. Price :  | Unpriced   |
| 15. Source from which available :  | Manovigyan Shala, U. P.                                    |
| 16. Any other information :  | It is in the experimental stage and will be published soon |
| 17. Institution submitting information   | Manovigyan Shala, Allahabad, U. P.                         |

( 2602 )

1. Name of the test : Hindi Attainment Tests for Class VIII  
(B. P. A. T. 2)
2. Author : Manovigyan Shala, U. P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal. Primarily designed to measure objectively the attainment in Hindi of pupils of class VIII in higher secondary schools in Uttar Pradesh
4. Group or individual : Group
5. Age or age range for which meant : For pupils of class VIII
6. Number of sub-tests and items under each : 100 items
7. Time required to administer each of the sub-tests and the test as a whole : 45 minutes
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized : This test was standardized on 3354 cases drawn from 36 higher secondary schools spread over all the five educational regions of U.P. In each region the choice of schools was so made as to render the sample fairly representative
10. Reliability coefficient and the method used for reliability determination : The reliability coefficient by the split-half method and corrected by the Spearman-Brown formula is .856
11. Validity coefficient and the criterion used : Correlation with school marks is .488
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Norms in terms of A. Q's have been set up. Instructions for administration and key are available

- |  |  |
|--|--|
| 14. Price :                              | Unpriced   |
| 15. Source from which available :        | Manovigyan Shala, U. P.  |
| 16. Any other information :              | Work on the test commenced in 1952<br>and it was published in 1956 |
| 17. Institution submitting information : | Manovigyan Shala, Allahabad, U.P.                                  |



( 2603 )

**Hindi**

- |   |   |
|---|---|
| 1. Name of the test :   | <b>General Hindi Test, 1958</b>   |
| 2. Author :   | <b>Manovigyan Shala, U.P.</b>   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal</b>   |
| 4. Group or individual :  | <b>Group</b>  |
| 5. Age or age range for which meant :   | <b>For students of class X</b>  |
| 6. Number of sub-tests and items under each :   | <b>100</b>  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>45 minutes</b>   |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>Includes examples</b>  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | <b>Tentative norms, key and instructions for administration are available</b> |
| 14. Price :   | <b>Unpriced</b>   |
| 15. Source from which available :   | <b>Manovigyan Shala, U.P.</b>   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | <b>Manovigyan Shala, Allahabad, U.P.</b>                                      |

( 2604 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>N. C. T. Hindi Attainment Test, 1957</b>                            |
| 2. Author :   | Manovigyan Shala, U.P.   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For students of class X  |
| 6. Number of sub-tests and items under each :   | 100  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | One hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | Includes examples  |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms, key and instructions for administration are available |
| 14. Price :   | Unpriced   |
| 15. Source from which available :   | Manovigyan Shala, U.P.   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U.P.                                      |

( 2605 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | General Hindi Test, 1959   |
| 2. Author :   | Manovigyan Shala, U.P.   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For students of class XI   |
| 6. Number of sub-tests and items under each :   | 100  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | One hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | Includes examples  |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms, key and instructions for administration are available |
| 14. Price :   | Unpriced   |
| 15. Source from which available :   | Manovigyan Shala, U.P.   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U.P.                                      |

( 2606 )

- |   |   |
|---|---|
| 1. Name of the test :   | General Hindi Test, 1960 and 1961                                       |
| 2. Author :   | Manovigyan Shala, U. P.   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For students of class X   |
| 6. Number of sub-tests and items under each :   | 100   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | One hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | Includes practice items   |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms, key and instructions for administration are available. |
| 14. Price :   | Unpriced  |
| 15. Source from which available :   | Manovigyan Shala, U. P.   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Manovigyan Shala, Allahabad, U. P.                                      |

( 2607 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Jamia Achievement Test (Hindi Parikshan)  |
| 2. Author :   | C.K. Barathonia   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 12 to 14 years  |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : 29 items ; 2 : 30 ; 3 : 10 ; 4 : 15 ; 5 : 26 ; 6 : 40. Total : 150 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes, practice items   |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | Nil   |
| 13. Norms, key and any other supplementary material :                                       | Norms, key, and manual of directions  |
| 14. Price :   |   |
| 15. Source from which available :   | Maktaba Jamia Ltd., Jamia Nagar, New Delhi                                      |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Institute of Educational Research, Jamia Millia Islamia, New Delhi              |

( 2608 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Hindi Yogyata Priksha* T 7   |
| 2. Author :   | Central Institute of Education   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For students of class VIII   |
| 6. Number of sub-tests and items under each :   | 100 items of 6 types   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 60 minutes for the entire test; sub-tests are not timed separately   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | Approximately 3470   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliabilities .93 and .95 for 106 boys and 84 girls respectively. Test-retest .89 (N=88)        |
| 11. Validity coefficient and the criterion used :   | With school marks .69 (N=90). Increase in mean scores from class VII to IX is another evidence of validity |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Published  |
| 14. Price :   | To be fixed  |
| 15. Source from which available :   | Central Institute of Education   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Central Institute of Education, 33, Chhatra Marg, Delhi-7  |

\*Hindi Achievement Test



( 2609 )

**Hindi**

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Hindi Achievement Test</b>   |
| 2. Author :   | <b>Prema Rastogi</b>  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal</b>   |
| 4. Group or individual :  | <b>Group</b>  |
| 5. Age or age range for which meant :   | <b>For pupils of classes IX and X</b>   |
| 6. Number of sub-tests and items under each :   | <b>Nine sub-tests with 23, 12, 6, 9, 3, 2, 6, and 3 items respectively. 80 items in all</b> |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>35 minutes</b>   |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>One practice item for each sub-test</b>  |
| 9. Size of the sample on which standardized :   | <b>484</b>  |
| 10. Reliability coefficient and the method used for reliability determination :             | <b>Split-half reliability .90</b>   |
| 11. Validity coefficient and the criterion used :   | <b>With school examination marks in Hindi .63</b>   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | <b>Key and percentile norms</b>   |
| 14. Price :   | <b>Not for sale</b>   |
| 15. Source from which available :   | <b>Not published</b>  |
| 16. Any other information :   | <b>Approved as M.Ed. project in the year 1960</b>   |
| 17. Institution submitting information :  | <b>Teachers Training College, Banaras Hindu University, Banaras</b>                         |

( 2610 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Scholastic Attainment Test (No. 8)                       |
| 2. Author :   | S. M. Mohsin   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class VIII                                 |
| 6. Number of sub-tests and items under each :   | 60 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | 16 practice items  |
| 9. Size of the sample on which standardized :   | 500  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability .88                               |
| 11. Validity coefficient and the criterion used :   | With examination marks in Hindi .36                      |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Manual   |
| 14. Price :   | Specimen free  |
| 15. Source from which available :   | Educational and Vocational Guidance Bureau, Bihar        |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Educational and Vocational Guidance Bureau, Patna, Bihar |

( 2611 )

**Hindi**

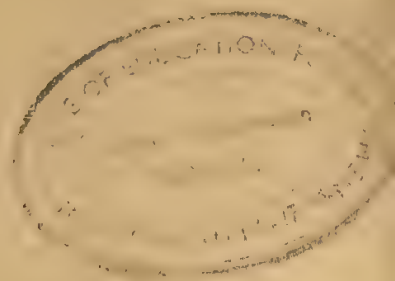
- |   |   |
|---|---|
| 1. Name of the test :   | <b>Hindi Vocabulary Test</b>  |
| 2. Author :   | <b>Kailash Kumari Bhatnagar</b>                                     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal</b>   |
| 4. Group or individual :  | <b>Group</b>  |
| 5. Age or age range for which meant:  | <b>For pupils of class VI</b>                                       |
| 6. Number of sub-tests and items under each :   | <b>Single test of 33 items</b>                                      |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>7 minutes</b>  |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>Two items</b>  |
| 9. Size of the sample on which standardized :   | <b>225</b>  |
| 10. Reliability coefficient and the method used for reliability determination :             | <b>.77 by split-half method</b>                                     |
| 11. Validity coefficient and the criterion used :   | <b>.47 with school examination marks in Hindi</b>                   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | <b>Only key</b>   |
| 14. Price :   | <b>Not for sale</b>   |
| 15. Source from which available :   | <b>Not published</b>  |
| 16. Any other information :   | <b>Approved as M. Ed. project in the year 1954</b>                  |
| 17. Institution submitting information :  | <b>Teachers Training College, Banaras Hindu University, Banaras</b> |

( 3101 )

Marathi

- |   |   |
|---|---|
| 1. Name of the test :   | Marathi Recognition Vocabulary of Children        |
| 2. Author :   | S. R. Bhat  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 6 to 10 years                                     |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   | 1010  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Indian Institute of Education, Chembur, Bombay-71 |

**ACHIEVEMENT TESTS—SOCIAL SCIENCES**



( 4101 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Achievement Test in Social Studies for Class VI  |
| 2. Author :   | C. P. Dubey  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 10 to 12 years (pupils of class VI)  |
| 6. Number of sub-tests and items under each :   | (i) Simple Recall : 10 items ; (ii) Completion Test : 12 ; (iii) Multiple Choice : 16 ; (iv) Rearrangement : 4 ; (v) Mixed Relation : 8 ; (vi) True False Type : 12 ; (vii) Matching : 6 ; (viii) Practical Type : 4 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Time for sub-tests 1 : 3 minutes ; 2 : 2 ; 3 : 4 ; 4 : 3 ; 5 : 4 ; 6 : 5 ; 7 : 4 ; 8 : 4.<br>Test as a whole : 36 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      |  |
| 9. Size of the sample on which standardized :   | 440 students   |
| 10. Reliability coefficient and the method used for reliability determination :             | .75 by split-half method   |
| 11. Validity coefficient and the criterion used :   | .31 with school marks in the subject   |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms prepared  |
| 14. Price :   |  |
| 15. Source from which available :   | University of Saugar   |



16. Any other information :      The test was constructed in part fulfilment of the requirements for M.Ed. degree of the University of Saugar
17. Institution submitting information :      Government Post-Graduate Basic Training College, Raipur

( 4102 )

Tamil

- |   |   |
|---|---|
| 1. Name of the test :   | Coimbatore Standard Test in Social Studies  |
| 2. Author :   | M. Aram and P. Rangaswamy   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 13 to 14 years  |
| 6. Number of sub-tests and items under each :   | Part I : 60 items ; Part II : 60 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes for each part, excluding directions, etc.  |
| 8. Whether any shock absorber or practice items included in the test :                      | No. Only model answers given  |
| 9. Size of the sample on which standardized :   | 1,580 pupils from 24 representative schools in Coimbatore District  |
| 10. Reliability coefficient and the method used for reliability determination :             | By split-half method .80  |
| 11. Validity coefficient and the criterion used :   | Only curricular validity obtained   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Test booklets, manual and answer sheets are available. Norms included in the manual   |
| 14. Price :   | Not priced  |
| 15. Source from which available :   | Research Department, Teachers College, Sri Ramakrishna Mission Vidyalaya  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Research Department, Teachers College, Sri Ramakrishna Mission Vidyalaya, Sri Ramakrishna Vidyalaya P.O., Coimbatore District |

( 4103 )

Hindi

1. Name of the test : **Jamia Achievement Test (for Senior Basic Schools) in Social Studies**
2. Author : **D. Gopal**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **12 to 14 years**
6. Number of sub-tests and items under each : **4 sub-tests. Sub-test 1 : 22 items; 2 : 15 ; 3 : 15; 4 : 40**
7. Time required to administer each of the sub-tests and the test as a whole : **50 minutes for classes VI and VII, 45 minutes for class VIII**
8. Whether any shock absorber or practice items included in the test : **Practice items included**
9. Size of the sample on which standardized : **Try-out : Class VI, N=150 ; VII, N=100; VIII, N=80. Standardization : Class VI, N=400; VII, N=300; VIII, N=250**
10. Reliability coefficient and the method used for reliability determination : **Split-half reliability for Class VI .88, class VII .76, and class VIII .88**
11. Validity coefficient and the criterion used : **Evidence of curricular validity is the approval of the items by teachers and educationists**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Norms, key and manual available**
14. Price :
15. Source from which available : **Maktaba Jamia Ltd., Jamia Nagar, New Delhi**
16. Any other information :
17. Institution submitting information : **Institute of Educational Research, Jamia Millia Islamia, New Delhi**

( 4301 )

Hindi

1. Name of the test : History Attainment Test 1950
2. Author : Manovigyan Shala, U. P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : For pupils of class VIII
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test : Includes examples as practice items
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Key and instructions for administration are available
14. Price : Unpriced
15. Source from which available : Manovigyan Shala, U. P.
16. Any other information : It is in the experimental stage
17. Institution submitting information : Manovigyan Shala, Allahabad, U.P.

( 4302 )

Gujarati

1. Name of the test : Construction and Standardization of Achievement Test in History for Standard X
2. Author : Devakunvar K. Chohan
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : For pupils of standard X
6. Number of sub-tests and items under each : Sub-test 1 : 10 ; items 2 : 12 ; 3 : 11 ; 4 : 9 ; 5 : 11 ; 6 : 5 ; 7a : 5 ; 7b : 4 ; 8 : 9 ; 9a : 5 ; 9b : 6
7. Time required to administer each of the sub-tests and the test as a whole : 45 minutes
8. Whether any shock absorber or practice items included in the test : Yes
9. Size of the sample on which standardized : 1450
10. Reliability coefficient and the method used for reliability determination : By split-half method .89 ; by Kuder-Richardson method .91
11. Validity coefficient and the criterion used : .56 with school marks
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Percentile norms and standard scores
14. Price :
15. Source from which available : Unpublished dissertation
16. Any other information :
17. Institution submitting information : Faculty of Education and Psychology, M.S. University, Baroda

( 4303 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | History Achievement Test                                     |
| 2. Author :   | M.P. Sharma  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For students of class VII                                    |
| 6. Number of sub-tests and items under each :   | Five sub-tests with 17, 18, 14, 15, and 9 items respectively |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | One item of each type  |
| 8. Whether any shock absorber or practice items included in the test :                      | No time limit  |
| 9. Size of the sample on which standardized :   | 349  |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest .79 ; split-half .98                             |
| 11. Validity coefficient and the criterion used :   | With school examination marks in History .45                 |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Only key   |
| 14. Price :   | Not for sale   |
| 15. Source from which available :   | Not published  |
| 16. Any other information :   | Approved as M.Ed. project in the year 1958                   |
| 17. Institution submitting information :  | Teachers Training College, Banaras Hindu University, Banaras |



( 4304 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>History Achievement Test</b>  |
| 2. Author :   | Devki Joshi  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For high school classes (IX and X)   |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : 16 ; items 2 : 10 ; 3 : 20 ; 4 : 20 ; 5 : 8 ; 6 : 6. Total items : 80 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit  |
| 8. Whether any shock absorber or practice items included in the test :                      | One item of each type  |
| 9. Size of the sample on which standardized :   | 300  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half .92   |
| 11. Validity coefficient and the criterion used :   | With high school examination marks in History .47                                  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Only key   |
| 14. Price :   | Not for sale   |
| 15. Source from which available :   | Not published  |
| 16. Any other information :   | Approved as M.Ed. project in the year 1956   |
| 17. Institution submitting information :  | Teachers Training College, Banaras<br>Hindu University, Banaras                    |

( 4305 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | <b>An Achievement Test in History for Standard VIII</b>  |
| 2. Author :   | Narendra G. Tambe  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 12 to 14 years   |
| 6. Number of sub-tests and items under each :   | Sub-test (i) Item Completion ; (ii) One-word Answer ; (iii) Multiple Choice ; (iv) True-False ; (v) One-sentence Answer ; (vi) Matching ; (vii) Location |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-test 1 : 8 ; minutes 2 : 4 ; 3 : 3½ ; 4 : 3½ ; 5 : 7 ; 6 : 9½ ; 7 : 9½ . Total time : 45 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 1424   |
| 10. Reliability coefficient and the method used for Reliability determination :             | Split-half reliability .83   |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms and standard score norms  |
| 14. Price :   | Not published  |
| 15. Source from which available :   | Faculty of Education and Psychology, M.S. University, Baroda   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M.S. University, Baroda   |

( 4401 )

- |   |   |
|---|---|
| 1. Name of the test :   | Achievement Test in Geography                       |
| 2. Author :   | Khalique Zabeti                                     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For students of class X                             |
| 6. Number of sub-tests and items under each :   | Two tests of 89 items each                          |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 2 hours   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 150   |
| 10. Reliability coefficient and the method used for reliability determination :             | .75 by split-half method                            |
| 11. Validity coefficient and the criterion used :   | .64 against school marks                            |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | Department of Education, Muslim University, Aligarh |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Department of Education, Muslim University, Aligarh |

( 4402 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | Achievement Test in Geography for Standard VIII  |
| 2. Author :   | Sarojini D. Desai  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 12 to 14 years   |
| 6. Number of sub-tests and items under each :   | Sub-test (i) Multiple Choice ; (ii) Pictorial Form ; (iii) Matching ; (iv) Location of Places in Asia ; (v) Location of Places in Europe ; (vi) Multiple Choice ; (vii) Completion Type. Total items : 7 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole : 50 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 1450   |
| 10. Reliability coefficient and the method used for reliability determination :             | Kuder-Richardson .91 ; analysis of variance .93 ; split-half .91 ; Rulon formula .90 ; test-retest .90   |
| 11. Validity coefficient and the criterion used :   | Concurrent validity .54  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms and standard score norms  |
| 14. Price :   | Not published  |
| 15. Source from which available .   | Faculty of Education and Psychology, M.S. University, Baroda   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M.S. University, Baroda   |

( 4403 )

Kannada

1. Name of the test : Achievement Test in Geography for High School I Year
2. Author : M. S. Satya Murthy
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : For students of high school first year class
6. Number of sub-tests and items under each : (i) True-False : 14 items ; (ii) Completion : 4 ; (iii) Multiple Choice : 14 ; (iv) Matching : 12 ; (v) Dissimilarities : 10 ; (vi) Map-filling : 10
7. Time required to administer each of the sub-tests and the test as a whole : 15 minutes
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : 862 students of Mysore city
10. Reliability coefficient and the method used for reliability determination : .9 by split-half method
11. Validity coefficient and the criterion used : .71 against annual examination and test marks pooled together
12. Important studies in which the test may have been used and important findings thereof : The average performance of the boys was found to be better than the average performance of the girls
13. Norms, key and any other supplementary material : Percentile norms for boys, girls and total group are available
14. Price : Not priced
15. Source from which available : M. S. Satya Murthy, Lecturer in Education, Teachers College, Mysore
16. Any other information : Teachers College, Mysore
17. Institution submitting information :

( 4404 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Achievement Test in Geography</b>   |
| 2. Author :   | Kamla Roy  |
| 3. Nature of the test (verbal, non-verbal, performance, etc. ) :                            | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class VI   |
| 6. Number of sub-tests and items under each :   | 8 sub-tests with 18, 13, 19, 4, 17, 9, 10, 8, and 2 items respectively Total items : 100 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 90 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | One or two items of each type  |
| 9. Size of the sample on which standardized :   | 300  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability .91   |
| 11. Validity coefficient and the criterion used :   | .46 against school examination marks in Geography  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Key and percentile norms   |
| 14. Price :   | Not for sale   |
| 15. Source from which available :   | Not published  |
| 16. Any other information :   | Approved as M. Ed. project in 1957   |
| 17. Institution submitting information :  | Teachers Training College, Banaras Hindu University, Banaras                             |



( 4405 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | Achievement Test in Geography for Standards VIII and IX  |
| 2. Author :   | P. J. Kasad  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 12 to 15 years   |
| 6. Number of sub-tests and items under each :   | Sub-test (i) True-False ; (ii) Completion Alternate ; (iii) One-word Answer ; (iv) Completion ; (v) Multiple Choice ; (vi) Matching Recall ; (vii) Matching ; (viii) Location                                  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole : 50 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 1450   |
| 10. Reliability coefficient and the method used for reliability determination :             | Kuder-Richardson, analysis of variance, split-half and test-retest methods were used. For Standard VIII the reliability coefficients are .90, .94, .93 and .92. For Standard IX they are .90, .91, .92 and .93 |
| 11. Validity coefficient and the criterion used :   | For standard VIII .70 ; for standard IX : .68  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms and standard score norms  |
| 14. Price :   | Not published  |
| 15. Source from which available :   | Faculty of Education and Psychology, M.S. University, Baroda   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M.S. University, Baroda   |

**ACHIEVEMENT TESTS—MATHEMATICS AND SCIENCE**



( 5101 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | Achievement Test in Algebra for Standard IX  |
| 2. Author :   | M. M. Shah   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of standard IX of secondary schools in Gujarat  |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : 15 items ; 2 : 15 ; 3 : 10 ; 4 : 9 ; 5 : 9 ; 6 : 6. Total items : 64                                |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About one hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 1444   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability .88 ; reliability by rational equivalence method .90 ; by analysis of variance method .91 |
| 11. Validity coefficient and the criterion used :   | With examination marks .66 ; with teachers' estimates .92  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | (i) Percentile norms, (ii) Z-scores, (iii) T-scores  |
| 14. Price :   | Not for sale   |
| 15. Source from which available :   |  |
| 16. Any other information :   | Unpublished M. Ed. dissertation  |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M. S. University, Baroda  |

( 5102 )

- |   |   |
|---|---|
| 1. Name of the test :   | Construction and Standardization of Achievement Test in Algebra for Standard X  |
| 2. Author :   | M. R. Vaidya  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of standard X  |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : 16 items ; 2 : 12 ; 3 : 9 ; 4 : 12 ; 5 : 3 ; 6 : 4   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole : 68 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 1180 students   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability .85 ; by rational equivalence method .88 ; by analysis of variance method .86 ; test-retest method .72 |
| 11. Validity coefficient and the criterion used :   | .53 against teachers' estimates ; .55 with examination marks  |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms, standard score norms and grade norms  |
| 14. Price :   |   |
| 15. Source from which available :   | Faculty of Education and Psychology, M.S. University, Baroda  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M.S. University, Baroda  |

( 5103 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | Construction and Standardization of Achievement Tests in Algebra   |
| 2. Author :   | A. P. Oza  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of classes VIII and IX  |
| 6. Number of sub-tests and items under each :   | For class VIII : sub-test 1 : 9 items ; 2 : 14 ; 3 : 14 ; 4 : 9 ; 5 : 11 ; 6 : 23.<br>For class IX : sub-test 1 : 9 items ; 2 : 9 ; 3 : 10 ; 4 : 12 ; 5 : 16 ; 6 : 4   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 1400 in each standard  |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest .78 (for class VIII) and .74 (for class IX) ; Spearman-Brown formula .94 (for class VIII) and .95 (for class IX) ; Kuder-Richardson .92 (for class VIII) and .91 (for class IX) ; split-half .88 (for class VIII) and .90 (for class IX) |
| 11. Validity coefficient and the criterion used :   | With Elementary Mathematics scores .61 (for class VIII), .84 (for class IX)  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Manual and keys given. Norms given as percentiles and Z-scores   |
| 14. Price :   |  |
| 15. Source from which available :   | Faculty of Education and Psychology, M.S. University, Baroda   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M.S. University, Baroda   |



( 5201 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | Standardized Achievement Test in Arithmetic for High School Students  |
| 2. Author :   | K.V. Kulkarni   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of classes VIII, IX and X. 13 to 15 years  |
| 6. Number of sub-tests and items under each :   | (i) Mechanical Arithmetic Test having 50 items ; (ii) Reasoning Arithmetic Test having 25 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes for each of the two tests  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | Boys 908. Girls 297. Total 1205 students of high schools of Hyderabad city  |
| 10. Reliability coefficient and the method used for reliability determination :             | Reliability coefficient .904 by split-half method   |
| 11. Validity coefficient and the criterion used :   | Range of validity of test items : .25 to .55 for Mechanical Arithmetic Test ; .25 to .60 for Reasoning Arithmetic Test  |
| 12. Important studies in which the test may have been used and important findings thereof : | (i) To see if the pupils' achievement in arithmetic is below or above the norms.<br>(ii) to classify the pupils on the basis of their attainment in the subject |
| 13. Norms, key and other supplementary material :   | Grade norms in terms of mean scores for classes VIII, IX, X. The respective means are 39.2, 48.27, 58.13. Key and instructions given with the test              |
| 14. Price :   | Rs. 5.00  |
| 15. Source from which available :   | The author  |

16. Any other information :      The test forms a part of the thesis written for the M.Ed. degree. The thesis deals with old type and new type examinations and the method of standardizing an arithmetic test
17. Institution submitting information :      Government College of Education, Aurangabad (Maharashtra State)

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Arithmetic Diagnostic Test 1957</b>                     |
| 2. Author :   | Manovigyan Shala, U.P.                                     |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class VI                                     |
| 6. Number of sub-tests and items under each :   |  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |  |
| 8. Whether any shock absorber or practice items included in the test :                      | Includes examples as practice items                        |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Key and instructions for administration are available      |
| 14. Price :   | Unpriced   |
| 15. Source from which available :   | Manovigyan Shala, U.P.                                     |
| 16. Any other information :   | It is in the experimental stage and will be published soon |
| 17. Institution submitting information :  | Manovigyan Shala, U.P., Allahabad                          |

( 5203 )

Oriya

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Orissa Group Test of Arithmetical Ability</b>   |
| 2. Author :   | <b>R.C. Das and S.C. Dash</b>  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 12 to 15 years   |
| 6. Number of sub-tests and items under each :   | 2 parts ; total number of items : 28   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole : 30 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | Standardization is in progress   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability .883  |
| 11. Validity coefficient and the criterion used :   | Correlation with school marks in Mathematics .66   |
| 12. Important studies in which the test may have been used and important findings thereof : | Used along with Orissa Group Test of Intelligence and a Scientific Aptitude Test for predicting success in the higher secondary elective science subjects. The total score of the three tests has a correlation of .70 with marks in elective science subjects |
| 13. Norms, key and any other supplementary material :                                       | Norms yet to be established  |
| 14. Price :   | Not yet priced   |
| 15. Source from which available :   | State Bureau of Educational and Vocational Guidance, Orissa  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | R.N. Training College, Cuttack   |

( 5204 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Construction and Standardization of Achievement Test in Arithmetic for Standard VIII  |
| 2. Author :   | D.K. Desai  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of standard VIII of the secondary schools in Gujarat   |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : items 10 ; 2 : 7 ; 3 : 9 ; 4 : 10 ; 5 : 8 ; 6 : 18. Total items : 62   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole : about 50 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 1545  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability : .95 ; test-retest reliability : .95 ; test-retest .72 ; by footrule method .89 ; by analysis of variance technique .92 |
| 11. Validity coefficient and the criterion used :   | .75 with school marks   |
| 12. Important studies in which the test may have been used and important findings thereof : | Nil   |
| 13. Norms, key and any other supplementary material :                                       | (i) Percentiles ; (ii) Percentile ranks ; (iii) Z-scores ; (iv) T-scores  |
| 14. Price :   | An unpublished M.Ed. dissertation, hence not for sale   |
| 15. Source from which available :   | For reference, from Faculty of Education and Psychology, M.S. University, Baroda  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M.S. University, Baroda  |

( 5205 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Diagnostic-cum-Achievement Test in Arithmetic                   |
| 2. Author :   | Prabha Puri   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class IX  |
| 6. Number of sub-tests and items under each :   | Four sub-tests of 7 items each. Total items : 28                |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 350   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability : .64                                    |
| 11. Validity coefficient and the criterion used :   | With school examination marks in Arithmetic : .35               |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Only key  |
| 14. Price :   | Not for sale  |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Approved as M. Ed. project in 1958                              |
| 17. Institution submitting information :  | Teachers Training College, Banaras<br>Hindu University, Banaras |





( 5206 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Scholastic Attainment Test (Ganit No. 2)                   |
| 2. Author :   | S. M. Mohsin   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class VII                                    |
| 6. Number of sub-tests and items under each :   | Test as a whole : 55 items                                 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 22 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | 12 practice items  |
| 9. Size of the sample on which standardized :   | 500  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability : .92                               |
| 11. Validity coefficient and the criterion used :   | With examination marks in Arithmetic :<br>.62              |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Manual   |
| 14. Price :   | Specimen free  |
| 15. Source from which available :   | Educational and Vocational Guidance<br>Bureau, Bihar       |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Educational and Vocational Guidance<br>Bureau Bihar, Patna |

( 5207 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | Achievement Test in Arithmetic for Standard VIII   |
| 2. Author :   | G. V. Desai  |
| 3. Nature of the test (verbal, non-verbal, performance etc.):                               | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of standard VIII  |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : items 14 ; 2 : 7 ; 3 : 10 ; 4 : 7 ; 5 : 7 ; 6 : 2 ; 7 : 17  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 1500   |
| 10. Reliability coefficient and the method used for reliability determination :             | By test-retest method : .75 ; by split-half method : .95 ; by Richardson formula : .95 ; by analysis of variance : .96 |
| 11. Validity coefficient and the criterion used :   | .76 with teachers' estimates   |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   | Faculty of Education and Psychology, M. S. University, Baroda  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M.S. University, Baroda   |

1. Name of the test : **Achievement Test in Arithmetic**
2. Author : **N.N. Shah**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **This is an attainment test in Arithmetic divided into two main sub-tests viz., Mechanical Ability Test and Reasoning (Problem Test). The first sub-test has been further divided into 6 areas and the second one into five areas. The test is verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **6 to 13 years**
6. Number of sub-tests and items under each : **Mechanical Ability Test : sub-test 1 : items 21 ; 2 : 15 ; 3 : 10 ; 4 : 6 ; 5 : 1 ; 6 : 2. Reasoning (Problem Test) : sub-test 1 : items 23 ; 2 : 16 ; 3 : 3 ; 4 : 2 ; 5 : 1. Total items : 100**
7. Time required to administer each of the sub-tests and the test as a whole : **40 minutes for each of the two main sub-tests**
8. Whether any shock absorber or practice items included in the test : **No**
9. Size of the sample on which standardized : **Mechanical Ability Test on 2210 and Reasoning (Problem Test) on 2160**
10. Reliability coefficient and the method used for reliability determination : **For Mechanical Ability Test .88 by test-retest method and split-half method. For Reasoning Test .80 by test-retest method and .83 by split-half method**
11. Validity coefficient and the criterion used : **Correlations of Mechanical Ability Test, and Reasoning (Problem Test) with annual examination marks range from .41 to .67, and from .44 to .66 respectively, with teachers' estimates these range from .45 to .63, and from .28 to .66 respectively**
12. Important studies in which the test may have been used and important findings thereof :

- |   |   |
|---|---|
| 13. Norms, key and any other supplementary material : | Grade and age norms for boys and girls separately as well as combined |
| 14. Price :   | Not priced  |
| 15. Source from which available :                     |   |
| 16. Any other information :                           |   |
| 17. Institution submitting information :              | Faculty of Education and Psychology,<br>M.S. Univeristy, Baroda       |

( 5209 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Diagnostic Tests in Basic Arithmetic Skills</b>                                       |
| 2. Author :   | M.M. Shah  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group (can be administered individually also)  |
| 5. Age or age range for which meant :   | Specially for primary school children  |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : items 30 ; 2 : 30 ; 3 : 30 ;<br>4 : 20. Total items : 110                   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit  |
| 8. Whether any shock absorber or practice items included in the test :                      |  |
| 9. Size of the sample on which standardized :   | 464  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : | To detect the errors commonly committed by pupils in the four fundamentals in Arithmetic |
| 13. Norms, key and any other supplementary material :                                       | Different lists of errors in the four fundamentals                                       |
| 14. Price :   | A summary of the dissertation is published and is available for Re. 0.75                 |
| 15. Source from which available :   | Faculty of Education and Psychology,<br>M.S. University, Baroda                          |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Faculty of Education and Psychology,<br>M.S. University, Baroda                          |

( 5210 )

Marathi

- |   |   |
|---|---|
| 1. Name of the test :   | Comparison of the Arithmetical Ability of Boys and Girls in Standards V to VIII |
| 2. Author :   | Vatsala Agashe  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 8 to 12 years   |
| 6. Number of sub-tests and items under each :   | 5 sub-tests   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About one hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 4857  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Indian Institute of Education, Chembur, Bombay-71                               |



( 5211 )

Marathi

- |   |  |
|---|--|
| 1. Name of the test :   | Measurement of Arithmetical Ability in Primary Schools |
| 2. Author :   | D.V. Chickermane                                       |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 7 to 11 years  |
| 6. Number of sub-tests and items under each :   | 5 sub-tests  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 1 hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 4172   |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   |  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Indian Institute of Education, Chembur, Bombay-71      |

( 5212 )

**Hindi**

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Arithmetic Achievement Test</b>                           |
| 2. Author :   | Vidya Bhushan  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For junior high school classes VI, VII, and VIII             |
| 6. Number of sub-tests and items under each :   | 4 sub-tests with 40, 40, 20 and 20 items respectively        |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | 9 items  |
| 9. Size of the sample on which standardized :   | 335  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability : .95                                 |
| 11. Validity coefficient and the criterion used :   | .74 with school examination marks in Arithmetic              |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Key and percentile norms provided                            |
| 14. Price :   | Not for sale   |
| 15. Source from which available :   | Not published  |
| 16. Any other information :   | Approved as M.Ed. project in 1958                            |
| 17. Institution submitting information :  | Teachers Training College, Banaras Hindu University, Banaras |

( 5213 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Diagnostic Test for Errors in Arithmetic  |
| 2. Author :   | Kirpavati Mehrotra  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of classes VI and VII  |
| 6. Number of sub-tests and items under each :   | 2 sub-tests, one each for classes VI and VII, with 30 items each                      |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1½ hours for each sub-test  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 376   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability corrected by Spearman Brown formula : .92                      |
| 11. Validity coefficient and the criterion used :   | .68 for class VI, .66 for class VII, the criteria being half yearly examination marks |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Only key  |
| 14. Price :   | Not for sale  |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Approved as M.Ed. project in 1954   |
| 17. Institution submitting information :  | Teachers Training College, Banaras<br>Hindu University, Banaras                       |

( 5214 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | A Test of Arithmetical Ability   |
| 2. Author :   | N.P. Dave  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For students of classes III to XI  |
| 6. Number of sub-tests and items under each :   | 5 sub-tests. Sub-test 1 : 37 items ; 2 : 37 ; 3 : 33 ; 4 : 28 ; 5 : 25   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Total time for each sub-test 35 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 3894 boys and 2173 girls   |
| 10. Reliability coefficient and the method used for reliability determination :             | Reliability coefficient is $.97 \pm .0024$ by split-half method corrected by Spearman-Brown formula  |
| 11. Validity coefficient and the criterion used :   | With the average of two annual examinations marks in Arithmetic it is $.44$ ; with test no. 7 in Joshi's Group Test of Intelligence it is $.44 \pm 0.35$ |
| 12. Important studies in which the test may have been used and important findings thereof : | The test is being used by Gujarat Research Society for vocational-guidance   |
| 13. Norms, key and any other supplementary material :                                       | Norms, key and other material can be had from the Gujarat Research Society   |
| 14. Price :   | Re. 0.15 per booklet   |
| 15. Source from which available :   | Gujarat Research Society, 'Samshodhan Sadan'.  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Gujarat Research Society 'Samshodhan Sadan', South Avenue, Khar, Bombay-52   |

( 5215 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Allahabad Arithmetic Test   |
| 2. Author :   | Sohan Lal   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 11 plus   |
| 6. Number of sub-tests and items under each :   | 100   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour  |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   | 1425 eleven-year old boys and girls of 58 Government High Schools of U.P. |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Manual, norms, key and other supplementary material are available         |
| 14. Price :   |   |
| 15. Source from which available :   | Kitabistan, Allahabad   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Manovigyan Shala, U.P., Allahabad   |

( 5301 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Scholastic Attainment Test (Chemistry)</b>            |
| 2. Author :   | S.M. Mohsin  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class VIII                                 |
| 6. Number of sub-tests and items under each :   | 31 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 22 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | 3 practice items   |
| 9. Size of the sample on which standardized :   | 500  |
| 10. Reliability coefficient and the method used for reliability determination :             | .78 by Kuder-Richardson method                           |
| 11. Validity coefficient and the criterion used :   | .58 with examination marks in Chemistry                  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Manual   |
| 14. Price :   | Specimen free  |
| 15. Source from which available :   | Educational and Vocational Guidance Bureau, Bihar, Patna |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Educational and Vocational Guidance Bureau, Bihar, Patna |



( 5302 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Chemistry Achievement Test  |
| 2. Author :   | Prakash Gupta   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of high school classes IX and X                                      |
| 6. Number of sub-tests and items under each :   | Six sub-tests with 14, 16, 5, 15, 8 and 18 items respectively. Total items : 76 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 40 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Two or three items of each type   |
| 9. Size of the sample on which standardized :   | 200   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability : .57  |
| 11. Validity coefficient and the criterion used :   | With school examination marks in Chemistry : .54                                |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Only key  |
| 14. Price :   | Not for sale  |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Approved as M. Ed. project in 1957  |
| 17. Institution submitting information :  | Teachers Training College, Banaras Hindu University, Banaras                    |

( 5303 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Achievement Test in Chemistry</b>                       |
| 2. Author :   | <b>M.A. Ovais</b>  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal</b>  |
| 4. Group or individual :  | <b>Group</b>   |
| 5. Age or age range for which meant :   | <b>Pupils of class X</b>                                   |
| 6. Number of sub-tests and items under each :   | <b>184 items</b>   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>1 hour</b>  |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>No</b>  |
| 9. Size of the sample on which standardized :   | <b>180</b>   |
| 10. Reliability coefficient and the method used for reliability determination :             | <b>.92 by Split-half method</b>                            |
| 11. Validity coefficient and the criterion used :   | <b>Not validated</b>                                       |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   | <b>Department of Education, Muslim University, Aligarh</b> |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | <b>Department of Education, Muslim University, Aligarh</b> |

( 5501 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Achievement Test in Geometry for Standard VIII  |
| 2. Author :   | C.V. Valera   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal, standardized achievement test   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of standard VIII (i.e. 13 to 14 years)   |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : items 12 ; 2 : 12 ; 3 : 12 ; 4 : 10 ; 5 : 8 ; 6 : 16. Total items : 70         |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 45 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 1300 pupils of class VIII   |
| 10. Reliability coefficient and the method used for reliability determination :             | By Kuder-Richardson method : .85 ; by Test-retest method : .83 ; by Split-half method : .85 |
| 11. Validity coefficient and the criterion used :   | .81 with school marks ; with teachers' ratings : .84 ; with I.Q. : .73                      |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms and standard scores  |
| 14. Price :   |   |
| 15. Source from which available :   | Unpublished dissertation  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M.S. University, Baroda                                |

( 5502 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | Construction and Standardization of Achievement Test in Geometry for Standard IX           |
| 2. Author :   | G. V. Mahant   |
| 3. Nature of the test (vebral, non-vebral, performance, etc.) :                             | Vebral   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of standard IX  |
| 6. Number of sub-tests and items under each :   | Sub-test 1 : items 19 ; 2 : 13 ; 3 : 7 ; 4 : 11 ; 5 : 7 ; 6 : 12. Total items : 71         |
| 7. Time required to Administer each of the sub-tests and the test as a whole :              | Sub-test 1 : 14 minutes ; 2 : 12 ; 3 : 8 ; 4 : 8 ; 5 : 6 ; 6 : 10. Total time : 60 minutes |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 1507   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half : .88 ; Rational Equivalence : .88 ; By footrule method : .84                   |
| 11. Validity coefficient and the criterion used :   | With school examination marks .85 ; with I. Q. on K. G. Desai's Test : .90                 |
| 12. Important studies in which the test may have been used and important findings thereof : | Nil  |
| 13. Norms key and any other supplementary material :  | Percentile norms, Z-scores   |
| 14. Price :   |  |
| 15. Source from which available :   | Faculty of Education and Psychology, M. S. University, Baroda                              |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M. S. University, Baroda                              |

( 5503 )

Gujarati

1. Name of the test : **Achievement Test in Geometry for Standard VIII and IX**
2. Author : **V. H. Doshi**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **For pupils of Standards VIII and IX**
6. Number of sub-tests and items under each : **For standard VIII : Sub-test 1 : items 8 ; 2 : 12 ; 3 : 12 ; 4 : 12 ; 5 : 6 ; 6 : 9. For standard IX : Sub-test 1 : items 10 ; 2 : 13 ; 3 : 12 ; 4 : 10 ; 5 : 5 ; 6 : 10. Total sub-tests for each standard : 6. Total items for standard VIII : 59. Total items for standard IX : 60**
7. Time required to administer each of the sub-tests and the tests as a whole :
8. Whether any shock absorber or practice items included in the test : **Yes**
9. Size of the sample on which standardized : **Standard VIII : 1608 ; standard IX : 1586**
10. Reliability coefficient and the method used for reliability determination : **For standard VIII Test-rests reliability : .85 ; split-half : .92. For standard IX Test-retest reliability : .87 ; split-half : .93**
11. Validity coefficient and the criterion used : **For standard VIII validity against teachers' ratings is high ; internal validity : .60. For standard IX against teachers' ratings it is high ; internal validity : .60**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available : **Faculty of Education and Psychology, M. S. University, Baroda**
16. Any other information :
17. Institution submitting information : **Faculty of Education and Psychology, M. S. University, Baroda**

( 5504 )

**Hindi**

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Geometry Achievement Test</b>  |
| 2. Author :   | <b>Suresh Chandra Srivastava</b>  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal</b>   |
| 4. Group or individual :  | <b>Group</b>  |
| 5. Age or age range for which meant :   | <b>For pupils of junior high school class VIII</b>                      |
| 6. Number of sub-tests and items under each :   | <b>Four sub-tests with 15, 16, 12 and 15 items respectively</b>         |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>40 minutes</b>   |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>No</b>   |
| 9. Size of the sample on which standardized :   | <b>342</b>  |
| 10. Reliability coefficient and the method used for reliability determination :             | <b>Split-half reliability : .74</b>                                     |
| 11. Validity coefficient and the criterion used :   | <b>With school examination marks : .94*</b>                             |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | <b>Only key</b>   |
| 14. Price :   | <b>Not for sale</b>   |
| 15. Source from which available :   | <b>Not published</b>  |
| 16. Any other information :   | <b>Approved as M. Ed. Project in 1959</b>                               |
| 17. Institution submitting information :  | <b>Teachers Training College, Banaras<br/>Hindu University, Banaras</b> |

---

\*The institution has expressed doubt as to whether the computation was correct.



( 5505 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Objective Test in Geometry</b>                               |
| 2. Author :   | Narendra Singh Chaudhry   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of classes IX  |
| 6. Number of sub-tests and items under each :   | 79 items, in five groups  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 53 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 336   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability : .88                                    |
| 11. Validity coefficient and the criterion used :   | With school examination marks in Geometry : .35                 |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Only key  |
| 14. Price :   | Not for sale  |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Approved as M.Ed. project in 1954                               |
| 17. Institution submitting information :  | Teachers Training College, Banaras<br>Hindu University, Banaras |

( 5506 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Achievement Test in Geometry</b>   |
| 2. Author :   | <b>M. Parashini Murthy</b>  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal</b>   |
| 4. Group or individual :  | <b>Group</b>  |
| 5. Age or age range for which meant :   | <b>High School students</b>   |
| 6. Number of sub-tests and items under each :   | <b>100 items</b>  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>About 75 minutes</b>   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   | <b>363 students</b>   |
| 10. Reliability coefficient and the method used for reliability determination :             | <b>By Split-half method : .95</b>   |
| 11. Validity coefficient and the criterion used :   | <b>Against marks in Mathematics in mid-session examination : <math>.76 \pm P. E. .0038</math></b>   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | <b>Pencentile norms for 2 groups of boys and 2 of girls</b>   |
| 14. Price :   | <b>Not given</b>  |
| 15. Source from which available :   |   |
| 16. Any other information :   | <b>Forms a part of thesis entitled 'Standardization of an Achievement Test in Geometry' submitted to the University of Mysore for M.A. Degree in 1956</b> |

17. Institution submitting information :

Compiled by the Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33, Chhatra Marg,, Delhi-7, from M. Parashini Murthy's 'Standardisation of an Achievement Test in Geometry', Psychological studies 2 : 1 (1957) 7-17

( 5507 )

- |   |  |
|---|--|
| 1. Name of the test :   | Achievement Test in Trigonometry                                     |
| 2. Author :   | Mehtab Singh   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For students of Intermediate classes                                 |
| 6. Number of sub-tests and items under each :   | 50 items in each of the two sub-tests                                |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 45 minutes for each subtest. $1\frac{1}{2}$ hours for the whole test |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 102  |
| 10. Reliability coefficient and the method used for reliability determination :             | .86 by Split-half method   |
| 11. Validity coefficient and the criterion used :   | Not validated  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   | Department of Education, Muslim University Aligarh                   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Department of Education, Muslim University, Aligarh                  |

( 5508 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Achievement Test in Geometrical Reasoning</b>  |
| 2. Author :   | Dev Raj Vij   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of classes IX, X and XI  |
| 6. Number of sub-tests and items under each :   | Contains 89 items in all. 17 have been rejected after item-analysis   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 1 hour and 15 minutes for the whole test  |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   | Try-out on 312 students of class IX   |
| 10. Reliability coefficient and the method used for reliability determination :             | .96 by Split-half method corrected by Spearman-Brown formula  |
| 11. Validity coefficient and the criterion used :   | Under standardization   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Under standardization. Directions given on the test cover   |
| 14. Price :   |   |
| 15. Source from which available :   | Author, Govt. Post graduate Basic Training College, Dharamsala  |
| 16. Any other information :   | A brief description of the test appeared in part III (Abstracts) of the Indian Science Congress Association, 1956, Agra |
| 17. Institution submitting information :  | Government Post-Graduate Basic Training College, Dharamsala   |

( 5601 )

- |   |   |
|---|---|
| 1. Name of the test :   | Construction and Standardization of An Attainment Test in Hygiene for Standard VIII                       |
| 2. Author :   | C.G. Shah   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of standard VIII   |
| 6. Number of sub-tests and items under each :   | 5 Sub-tests. Sub-test 1 : items 38 ; Sub-test 2 : 36 ; Sub-test 3 : 15 ; Sub-test 4 : 12 ; Sub-test 5 : 5 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest method : .838. Split-half method : .857   |
| 11. Validity coefficient and the criterion used :   | Internal validity is .611   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Contained in the dissertation submitted for the degree of M. Ed.  |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | A.G. Teachers College, Ahmedabad-9  |



( 5701 )

Bengali

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Mathematics Attainment Test (1)</b>  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class VIII and upwards  |
| 6. Number of sub-tests and items under each :   | 21 major questions with 33 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 4080 (provisional standardization on class VIII)  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability ranges from .85 to .92   |
| 11. Validity coefficient and the criterion used :   | Ascertained by the follow-up technique it ranges from .28 to .57 with higher secondary examination results (Humanities Science, Technical and commerce streams included) as the criterion |
| 12. Important studies in which the test may have been used and important findings thereof : | Being used in the Bureau's work on allocation of pupils in secondary education  |
| 13. Norms, key and any other supplementary material :                                       | Available including provisional norms   |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta   |

( 5702 )

Bengali

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Mathematics Attainment Test (2)</b>  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class VIII and upwards  |
| 6. Number of sub-tests and items under each :   | 12 major questions with 17 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 4080 (provisional standardization on class VIII group)  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability ranges from .59 to .80   |
| 11. Validity coefficient and the criterion used :   | Ascertained by the follow-up technique, the coefficient ranges from .01 to .55 with the higher secondary examination results (Humanities, Science, Technical and Commerce streams) as the criterion |
| 12. Important studies in which the test may have been used and important findings thereof : | Being used in the Bureau's work on allocation of pupils in secondary education  |
| 13. Norms, key and any other supplementary material :                                       | Available, including provisional norms  |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19  |

( 5703 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P.R.W. Test 6, 7</b>                                     |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Mathematical Knowledge tests                                |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 2 sub-tests with total score of 42                          |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 8 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 700   |
| 10. Reliability coefficient and the method used for reliability determination :             | .86, .50  |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with P.R.W., Ministry of Defence                  |
| 14. Price :   | Classified—not for sale                                     |
| 15. Source from which available :   | P.R.W., Ministry of Defence, New Delhi                      |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi |

( 5704 )

- |   |   |
|---|---|
| 1. Name of the test :   | A Test of Mathematical Ability for the Delta Class                |
| 2. Author :   | G.B. Shah   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of standard VII  |
| 6. Number of sub-tests and items under each :   | Total items : 60  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole: 60 minutes                                       |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 972   |
| 10. Reliability coefficient and the method used for reliability determination :             | By Kuder-Richardson method : .87; By Split-half method : .91      |
| 11. Validity coefficient and the criterion used :   | With examination scores : .74; with Achievement Test scores : .80 |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Faculty of Education, and Psychology, M.S. University, Baroda     |

( 5705 )

Kannada

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Achievement Test in Elementary Mathematics</b>   |
| 2. Author :   | D. Chandra Reddy  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of high school II year class   |
| 6. Number of sub-tests and items under each :   | Sub-test 1 (Multiple choice) : item 18 ; 2 (Matching) : 15 ; 3 (Completion) : 27 ; 4 (Analogies) : 15 ; 5 (Problems) 25. Total sub-test : 5 ; total items : 100 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole : 45 minutes (excluding time required for giving instructions)  |
| 8. Whether any shock absorber or practice items included in the test :                      | Three examples are given for each type of sub-test for practice   |
| 9. Size of the sample on which standardized :   | 1544 students of the erst-while Mysore State  |
| 10. Reliability coefficient and the method used for reliability determination :             | .94 ; methods used : (a) Split-half, (b) foot rule, (c) Rational Equivalence  |
| 11. Validity coefficient and the criterion used :   | .57 against first terminal examination marks  |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms and key available  |
| 14. Price :   | Not fixed   |
| 15. Source from which available :   | Teachers College, Mysore ; also from the author of the test   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Teachers College, Mysore  |

( 5706 )

Tamil

1. Name of the test : **Coimbatore Standard Test in Mathematics**
2. Author : **M. Aram and M. Feroze**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **13 to 14 years**
6. Number of sub-tests and items under each : **Part I : 50 items, and Part II : 50 items**
7. Time required to administer each of the sub-tests and the test is as a whole : **45 minutes for each part, excluding directions**
8. Whether any shock absorber or practice items included in the test : **No. Only model answers given**
9. Size of the sample on which standardized : **1120 students from 17 schools in Coimbatore District**
10. Reliability coefficient and the method used for reliability determination : **By Split-half method : .89**
11. Validity coefficient and the criterion used : **Against teacher made test .48**
12. Important studies in which the test may have been used and important findings thereof : **'A study of the Socio-economic Condition of high School Pupils in Coimbatore District' (with reference to its relation to academic achievement) conducted by the Research Department of the teachers College of Sri Ramkrishna Mission Vidyalaya**
13. Norms, key and any other supplementary material : **Test booklets, manual and answer sheets are available. Norms included in the manual**
14. Price : **Not priced**



15. Source from which available : Research Department, Teachers College,  
Sri Ramkrishna Mission Vidyalaya, Sri  
Ramkrishna Vidyalaya P. O., Coimbatore  
District
16. Any other information :
17. Institution submitting information : Research Department, Teachers College,  
Sri Ramkrishna Mission Vidyalaya,  
Sri Ramkrishna Vidyalaya P. O. Coim-  
batore District

( 5707 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Mathematics Test</b>   |
| 2. Author :   | B.R. College of Education, Agra   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 13 plus (students of class VIII)  |
| 6. Number of sub-tests and items under each :   | Three sub-tests. Arithmetic Part I: 30 items; Part 2: 15 items; Algebra: 40 items; Geometry: 35 items                               |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Arithmetic: 30 minutes; Algebra: 30 minutes; Geometry: 30 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No. Illustrations provided  |
| 9. Size of the sample on which standardized :   | 600 students  |
| 10. Reliability coefficient and the method used for reliability determination :             | By Method of Rational Equivalence Reliability Coefficient for Arithmetic: .92 (for both parts), for Algebra: .98, for Geometry: .90 |
| 11. Validity coefficient and the criterion used :   | .4 with school marks (average of half yearly and annual examination marks)  |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Given in the manual   |
| 14. Price :   | Not priced. Can be reprinted at one's own cost with the permission of the author  |
| 15. Source from which available :   | B.R. College of Education, Agra   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | B.R. College of Education, Agra   |

( 5708 )

Hindi

1. Name of the test : **Jamia Achievement Test (for Senior Basic Schools) in Mathematics**
2. Author : **D. Gopal**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **12 to 14 years**
6. Number of sub-tests and items under each : **3 sub-tests. Sub-test 1 : 20 items, 2 : 24, 3 : 46**
7. Time required to administer each of the sub-tests and the test as a whole : **90 minutes for classes VI and VII and 85 minutes for class VIII**
8. Whether any shock absorber or practice items included in the test : **Practice items included**
9. Size of the sample on which standardized : **Try-out : Class VI, N=150 ; VII, N=100 ; VIII, N=80. Standardization : Class VI, N=400 ; VII, N=300 ; VIII, N=250**
10. Reliability coefficient and the method used for reliability determination : **Split-half reliability. Class VI, : .87, class VII, : .87 and class VIII, : .88**
11. Validity coefficient and the criterion used : **Evidence of curricular validity is the approval of the items by teachers and educationists**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Norms, Key and manual available**
14. Price :
15. Source from which available : **Maktaba Jamia Ltd., Jamia Nagar, New Delhi**
16. Any other information :
17. Institution submitting information : **Institute of Educational Research, Jamia Millia Islamia, New Delhi**

( 5801 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | Construction and Standardization of<br>an Attainment Test in Physics for<br>Grade VIII |
| 2. Author :   | C.J. Doshi   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of grade VIII   |
| 6. Number of sub-tests and items under each :   | 5 sub-tests. Sub-test 1 : 30 items ; 2 : 19 ;<br>3 : 5 ; 4 : 18 ; 5 : 14               |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Total 25 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 930 pupils   |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest reliability : .8 ; Split-half reliability : .84                            |
| 11. Validity coefficient and the criterion used :   | Internal validity .67  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Contained in dissertation submitted for the degree of M.Ed.                            |
| 14. Price :   |  |
| 15. Source from which available :   |  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | A.G. Teachers College, Ahmedabad-9   |

( 5802 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | Construction and Standardization of an Attainment Test in Physics for Grade I   |
| 2. Author :   | G.N. Patel  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of grade X   |
| 6. Number of sub-tests and items under each :   | Three. Sub-test 1 : 40 items ; 2 : 35 ; 3 : 20  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 998   |
| 10. Reliability coefficient and the method used for reliability determination :             | (i) Split-half reliability: .74 ; (ii) Test-retest reliability : .70  |
| 11. Validity coefficient and the criterion used :   | Internal validity .86   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and other supplementary material :   | Percentiles and self-assesment key contained in the dissertation submitted in part fulfilment of the requirements for the degree of M.Ed. |
| 14. Price :   | Nil   |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Nil   |
| 17. Institution submitting information :  | A.G. Teachers College, Ahmedabad-9  |

( 5803 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Physics Achievement Test   |
| 2. Author :   | Sushil Kumar Agnihotri   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For students of high school classes IX and X                                     |
| 6. Number of sub-tests and items under each :   | Six sub-tests with 14, 8, 12, 14, 4, and 16 items respectively. Total items : 68 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole : 40 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Two or three items of each type  |
| 9. Size of the sample on which standardized :   | 305  |
| 10. Reliability coefficient and the method used for reliability determination :             | By Split-half method : .91   |
| 11. Validity coefficient and the criterion used :   | Against high school marks in Physics : .76                                       |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Key and percentile norms provided  |
| 14. Price :   | Not for sale   |
| 15. Source from which available :   | Not published  |
| 16. Any other information :   | Approved as M.Ed. project in 1956  |
| 17. Institution submitting information :  | Teachers Training College, Banaras<br>Hindu University, Banaras                  |



( 5804 )

Hindi

1. Name of the test :	<b>Scholastic Attainment Test (Physics)</b>
2. Author :	S.M. Mohsin
3. Nature of the test (verbal, non-verbal, performance, etc.) :	Verbal
4. Group or individual ;	Group
5. Age or age range for which meant :	For students of class VIII
6. Number of sub-tests and items under each :	55 items
7. Time required to administer each of the sub-tests and the test as a whole :	32 minutes
8. Whether any shock absorber or practice items included in the test :	4 practice items
9. Size of the sample on which standardized :	500
10. Reliability coefficient and the method used for Reliability determination :	By Kuder-Richardson method : .87
11. Validity coefficient and the criterion used :	Against school marks in Physics .64
12. Important studies in which the test may have been used and important findings thereof :	
13. Norms, key and any other supplementary material :	Manual
14. Price :	Specimen free
15. Source from which available :	Educational and Vocational Guidance Bureau, Bihar, Patna
16. Any other information :	
17. Institution submitting information :	Educational and Vocational Guidance Bureau, Bihar, Patna

( 5901 )

Hindi or English .

- |   |   |
|---|---|
| 1. Name of the test :   | Non-verbal Science Selection Test (Preliminary Edition)   |
| 2. Author :   | S.K. Roy Chaudhury  |
| 3. Nature of the test (verbal non-verbal, performance, etc.) :                              | Verbal and Non-verbal items etc.  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For students of class VIII  |
| 6. Number of sub-tests and items under each :   | Three sub-tests : (i) Scientific Comprehension : 40 items ; (ii) Space Relations : 34 items ; (iii) Numerical : 19 items                        |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | (i) Scientific Comprehension : 25 minutes ; (ii) Space Relations : 10 minutes ; (iii) Numerical : 25 minutes                                    |
| 8. Whether any shock absorber or practice items included in the test :                      | Examples are given  |
| 9. Size of the sample on which standardized :   | 560 from 12 schools of Delhi  |
| 10. Reliability coefficient and the method used for reliability determination :             | (a) By Split-half method : .81 to .83 ; (b) by Test-retest method : .80 to .84  |
| 11. Validity coefficient and the criterion used :   | (a) Teacher's Selection .90 ; (b) Score on Mathematics .81 ; (c) Score on General Science .70 ; (d) Revised Minnesota Paper Form-board Test .62 |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Test booklets, manual, and answer sheets are available. Norms included in manual  |
| 14. Price :   | A set containing 25 copies of each of the three sub-tests and a manual : Rs. 38.00  |
| 15. Source from which available :   | Manasayan, 32 Faiz Bazar, Delhi-6   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Manasayan, 32 Faiz Bazar, Delhi-6   |

( 5902 )

11111

- |   |   |
|---|---|
| 1. Name of the test :   | <b>General Science Achievement Test</b>                                       |
| 2. Author :   | <b>Tej Narain Dwivedi</b>   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For students of junior high school classes VI, VII and VIII                   |
| 6. Number of sub-tests and items under each :   | Six sub-tests of 16, 16, 3, 12, 8 and 16 items respectively. Total items : 71 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 40 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Two or three items of each type   |
| 9. Size of the sample on which standardized :   | 300   |
| 10. Reliability coefficient and the method used for reliability determination :             | .86 by Split-half method  |
| 11. Validity coefficient and the criterion used :   | .56 with school marks in general Science                                      |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Only key  |
| 14. Price :   | Not for sale  |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Approved as M. Ed. project in the year 1956                                   |
| 17. Institution submitting information :  | Teachers Training College, Banaras Hindu University, Banaras                  |

( 5903 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Construction and Standardization of Achievement Test in General Science for Standard VIII |
| 2. Author :   | R. C. Parikh  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For students of standard VIII   |
| 6. Number of sub-tests and items under each :   | Sub-test I: items 4 ; 2 : 20 ; 3 : 16 ; 4 : 5 ; 5 : 25 ; 6 : 2. Total items ; 72          |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |   |
| 8. Whether any shock absorber or practice items included in the test :                      | 7 practice items  |
| 9. Size of the sample on which standardized :   | 1400 students of Gujarat  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability : .85 ; by Rational Equivalence method : .89                       |
| 11. Validity coefficient and the criterion used :   | .75 against examination marks   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms key and any other supplementary material :  | Percentile norms and 'Z'—scores   |
| 14. Price :   |   |
| 15. Source from which available :   | Faculty of Education and Psychology, M.S. University, Baroda                              |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M.S. University, Baroda                              |

( 5904 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Scholastic Attainment Test (Samanya Vigyan)              |
| 2. Author :   | S. M. Mohsin   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For students of class VII                                |
| 6. Number of sub-tests and items under each :   | Test as a whole with 55 items                            |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 19 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | 8 practice items   |
| 9. Size of the sample on which standardized :   | 500  |
| 10. Reliability coefficient and the method used for reliability determination :             | .86 by Split-half method                                 |
| 11. Validity coefficient and the criterion used :   | .36 against S. A. T.                                     |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Manual   |
| 14. Price :   | Specimen free  |
| 15. Source from which available :   | Educational and Vocational Guidance Bureau, Bihar, Patna |
| 16. Any other Information :   |  |
| 17. Institution submitting information :  | Educational and Vocational Guidance Bureau, Bihar, Patna |

( 5905 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Biology Achievement Test  |
| 2. Author :   | Suresh Chandra Saxena   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For students of Intermediate classes XI and XII   |
| 6. Number of sub-tests and items under each :   | Two test sections of 66 items each divided into six sub-tests of 8, 8, 16, 8, 6 and 20 items respectively |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes for each section   |
| 8. Whether any shock absorber or practice items included in the test :                      | One item of each type   |
| 9. Size of the sample on which standardized :   | 180   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability for Botany .86 and for Zoology .80   |
| 11. Validity coefficient and the criterion used :   | With school marks in Botany .44 and with marks in Zoology .48   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Not for sale  |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Approved as M.Ed. project in 1959   |
| 17. Institution submitting information :  | Teachers Training College, Banaras<br>Hindu University, Banaras   |



( 5906 )

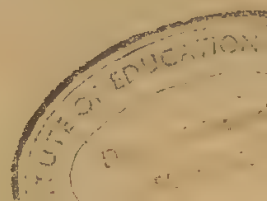
Tamil

1. Name of the test : **Coimbatore Standard Test in Science**
2. Author : **M. Aram and M. Feroze**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **13 to 14 years**
6. Number of sub-tests and items under each : **Part I : 40 items, and Part II : 40 items**
7. Time required to administer each of the sub-tests and the test as a whole : **45 minutes for each part, excluding directions etc.**
8. Whether any shock absorber or practice items included in the test : **Only model answers given**
9. Size of the sample on which standardized : **937 students from 15 schools in Coimbatore District**
10. Reliability coefficient and the method used for the reliability determination : **By Split-half method : .75**
11. Validity coefficient and the criterion used : **Statistical validity not calculated**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Test booklets, manual and answer sheets are available. Norms included in the manual**
14. Price : **Not priced**
15. Source from which available : **Research Department, Teachers College, Sri Ramakrishna Mission Vidyalaya, Sri Ramakrishna Vidyalaya P. O., Coimbatore District**
16. Any other information :
17. Institution submitting information : **Research Department, Teachers College, Sri Ramakrishna Mission Vidyalaya, Sri Ramakrishna Vidyalaya P. O., Coimbatore District**

( 5907 )

Hindi

1. Name of the test : Attainment Test in General Science for Delta Class
2. Author : K. N. Saxena
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : For pupils of class VIII
6. Number of sub-tests and items under each : 100
7. Time required to administer each of the sub-tests and the test as a whole : 45 minutes
8. Whether any shock absorber or practice items included in the test : Examples are used as practice items
9. Size of the sample on which standardized : 2190 students
10. Reliability coefficient and the method used for reliability determination : By Kuder-Richardson formula : .88
11. Validity coefficient and the criterion used : .46
12. Important studies in which the test may have been used and important findings thereof : A comparative study of scores of urban boys and girls and rural boys. The significance of difference between means of different sets of scores was calculated and the following findings were obtained : (a) Between rural and urban boys the value of C. R. was found significant at .05 level ; (b) between urban boys and urban girls the values of C. R. was found significant at .01 level in favour of urban boys
13. Norms, key and any other supplementary material : Norms, key and manual of directions are available
14. Price : Re. 0.75 for the manual and Re. 0.30 for each copy of test-booklet



15. Source from which available : Kitab Mahal Publishers, 56 A, Zero Road, Allahabad (also available at Kitab Mahal Publishers, 28 Faiz Bazar, Delhi-6)
16. Any other information : The test can be used in guidance and selection of pupils because predictive efficiency of the test is quite satisfactory
17. Institute submitting information : Department of Science Education, National Institute of Education, NCERT, New Delhi-6.

( 5908 )

- |   |  |
|---|--|
| 1. Name of the test :   | Attainment Test in General Science                   |
| 2. Author :   | S.K. Das Gupta                                       |
| 3. Nature of the test (vebral, non-vebral, performance, etc.) :                             | Vebral   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of classes IX and X                       |
| 6. Number of sub-tests and items under each :   | 150 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1½ hours for the whole test                          |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 200  |
| 10. Reliability coefficient and the method used for reliability determination :             | .92 by Split-half method                             |
| 11. Validity coefficient and the criterion used :   | Not validated  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   | Department of Education, Muslim University, Aligarh  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Department of Education, Muslim University, Aligarh. |

( 5909 )

Hindi

1. Name of the test : Samanya Vigyan Yogyata Pariksha
2. Author : Jai Prakash and J.S. Gupta
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Individual
5. Age or age range for which meant : For pupils of class VIII
6. Number of sub-tests and items under each : 133
7. Time required to administer each of the sub-tests and the test as a whole : 90 minutes
8. Whether any shock absorber or practice items included in the test : 5 examples
9. Size of the sample on which standardized : 1602 students from 23 higher secondary schools of 9 districts of U.P.
10. Reliability coefficient and the method used for reliability determination : Split-half by Guttman formula : .94 ; by Spearman-Brown formula : .969 ; by Rational equivalence method Kuder-Richardson formula : .934
11. Validity coefficient and the criterion used : .5009 against annual examination school marks in General Science ; .6 against annual examination marks of class IX
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Norms and key provided in the manual
14. Price :
15. Source from which available : Dr. J.S. Gupta
16. Any other information :
17. Institution submitting information : Dr. J.S. Gupta, 7/82, Tilak Nagar, Kanpur

( 5910 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Jamia Achievement Test (for Senior Basic Schools) in General Science</b>   |
| 2. Author :   | <b>D. Gopal</b>   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.)                               | <b>Verbal</b>   |
| 4. Group or individual :  | <b>Group</b>  |
| 5. Age or age range for which meant :   | <b>12 to 14 years</b>   |
| 6. Number of sub-tests and items under each :   | <b>4 sub-tests. Sub-test 1 : 20 items ; 2 : 20 ; 3 : 40 ; 4 : 20</b>  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>50 minutes for classes VI and VII, 45 minutes for class VIII</b>   |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>Practice items included</b>  |
| 9. Size of the sample on which standardized :   | <b>Try-out : class VI, N=150 ; VII, N=100; VIII, N=80. Standardization : class VI, N=400 ; VII, N=300 ; VIII, N=250</b> |
| 10. Reliability coefficient and the method used for reliability determination :             | <b>Split-half reliability. Class VI .85, class VII .73, class VIII .76</b>  |
| 11. Validity coefficient and the criterion used :   | <b>Evidence of curricular validity is the approval of the items by teachers and educationists</b>                       |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | <b>Norms, key and manual available</b>  |
| 14. Price :   |   |
| 15. Source from which available :   | <b>Maktaba Jamia Ltd., Jamia Nagar, New Delhi</b>   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | <b>Institute of Educational Research, Jamia Millia Islamia, New Delhi</b>   |





## **APTITUDE TESTS**



( 6101 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P R.W. Test 5</b>  |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal, clerical aptitude test                              |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 35 items, total score : 150                                 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 45 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 700   |
| 10. Reliability coefficient and the method used for reliability determination :             | .93   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Available with P.R.W., Ministry of Defence                  |
| 14. Price :   | Classified—not for sale                                     |
| 15. Source from which available :   | Psychological Research Wing, Ministry of Defence, New Delhi |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi |

( 6102 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Orissa Test of Clerical Aptitude</b>                              |
| 2. Author :   | <b>R.C. Dass and D.N. Khadanga</b>                                   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | Adults   |
| 6. Number of sub-tests and items under each :   | 2 parts with 400 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Test as a whole : 30 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Examples at the beginning of each part                               |
| 9. Size of the sample on which standardized :   | Standardization is in progress                                       |
| 10. Reliability coefficient and the method used for reliability determination :             | Not yet determined   |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Norms yet to be established  |
| 14. Price :   | Not yet priced   |
| 15. Source from which available :   | State Bureau of Educational and Vocational Guidance, Orissa, Cuttack |
| 16. Any other information :   | Standardization is in progress                                       |
| 17. Institution submitting information :  | R.N. Training College, Cuttack                                       |

( 6103 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Clerical Aptitude Test (Form A and Form B)</b>   |
| 2. Author :   | Directorate General of Employment and Training, Ministry of Labour and Employment, Govt. of India, New Delhi. |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 15 to 30 years  |
| 6. Number of sub-tests and items under each :   | 2 Sub-tests : Clerical Perception and Intelligence ; 100 items and 90 items respectively                      |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Not worked out  |
| 8. Whether any shock absorber or practice items included in the test :                      | Examples and practice problems are included in the two sub-tests  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             | Not worked out  |
| 11. Validity coefficient and the criterion used :   | Not worked out  |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Manual of directions and scoring keys   |
| 14. Price :   | Unpriced  |
| 15. Source from which available :   | The test is 'Confidential'  |



16. Any other information : The tests are still being developed. Item analysis of the sub-test pertaining to Intelligence, for both the forms, has been done, and on this basis the final forms of tests are being worked out
17. Institution submitting information : Directorate-General of Employment and Training, Ministry of Labour and Employment, Govt. of India, New Delhi-2

(6104)

English and Hindi

1. Name of the test : Clerical Aptitude Test Battery
2. Author : Bureau of Educational and Vocational Guidance, Bihar, Patna
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Both
5. Age or age range for which meant : 14 years and above
6. Number of sub-tests and items under each : 5 Hindi sub-tests. Sub-test 1 : 50 items ; 2 : 50 ; 5 : 45 ; 6 : 73 ; 7 : 100 ; 5 English sub-tests : 3, 4, 5, 6, and 8 with number of items as detailed in Hindi sub-tests  
Sub-test 1 : 2 minutes ; 2 : 1½ minutes for Part I and Part II each 5 : 5+4=9 minutes ; 6 : 4 minutes ; 7 : 10 minutes
8. Whether any shock absorber or practice items included in the test : For some of the sub-tests shock absorbers are provided
9. Size of the sample on which standardized : In the process of standardization
10. Reliability coefficient and the method used for reliability determination : Under study
11. Validity coefficient and the criterion used : Under study
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Manual available
14. Price : Not yet fixed
15. Source from which available : Bureau of Educational and Vocational Guidance, Bihar, Patna
16. Any other information :
17. Institution submitting information : Bureau of Educational and Vocational Guidance, Bihar, Patna-3

( 6105 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Clerical Aptitude Test</b>  |
| 2. Author :   | Institute of Vocational Guidance,<br>Bombay  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class X and onwards  |
| 6. Number of sub-tests and items under each :   | Two of 200 items each  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 8 minutes and 7 minutes ; total about 40 minutes including instructions                              |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 137 of class XI and 232 of class X   |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   | With Minnesota Clerical test '91 (N=51) and '80 (N=34), on two different groups                      |
| 12. Important studies in which the test may have been used and important findings thereof : | It has been used alongwith other tests for guidance, selection of pupils for commercial courses etc. |
| 13. Norms, key and any other supplementary material :                                       | Norms for class X and XI available. Norms on a larger sample are yet to be worked out                |
| 14. Price :   | Not yet published for sale   |
| 15. Source from which available :   | Not yet published for sale   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1                                      |

( 6106 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | Name Checking Test 1290-a. 1260-b  |
| 2. Author :   | S. K. Mitra  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal, speeded  |
| 4. Group or individual :  | Both   |
| 5. Age or age range for which meant :   | Adults   |
| 6. Number of sub-tests and items under each :   | 70 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 7 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | Not standardized   |
| 10. Reliability coefficient and the method used for reliability determination :             | Nil  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   | Not yet fixed  |
| 15. Source from which available :   | B.M. Institute, Ashram Road, Ahmedabad   |
| 16. Any other information :   | These are alternative forms and have been planned so as to get alternative-form reliability. They are yet in the try out stage |
| 17. Institution submitting information :  | B.M. Institute, Ashram Road, Ahmedabad-9   |

( 6107 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>A Test of Clerical Aptitude</b>   |
| 2. Author :   | T.P. Lele and others   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | To be administered to any prospective clerk  |
| 6. Number of sub-tests and items under each :   | Sub-test I : 50 items ; II : 42 ; III : 22 ;<br>IV : 15 ; V : 23 ; VI : 20 ; VII : ; VIII :            |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-test I : 40 minutes ; II : 30 ; III : 30 ;<br>IV : 50 ; V : 30 ; VI : 70 ; VII : 20 ;<br>VIII : 80 |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 88 graduates and 402 others  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability for graduates : .95<br>+ .0071 ; for others : .96 + .0044                       |
| 11. Validity coefficient and the criterion used :   | Against the opinion of the heads of institutions, validity = .43                                       |
| 12. Important studies in which the test may have been used and important findings thereof : | Useful for selection of clerks   |
| 13. Norms, key and any other supplementary material :                                       | Percentile ranks and standard scores are given   |
| 14. Price :   | Not mentioned  |
| 15. Source from which available :   | Faculty of Education and Psychology,<br>M.S. University, Baroda  |
| 16. Any other information :   | Can be had from the author   |
| 17. Institution submitting information :  | Faculty of Education and Psychology,<br>Baroda   |

( 6108 )

English and Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Clerical Aptitude Test Battery</b>  |
| 2. Author :   | Bureau of Educational and Vocational Guidance, Bihar, Patna  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 14 to 22 years   |
| 6. Number of sub-tests and items under each :   | 8 sub-tests: Sub-test 1 : 50 Items ; 2 : 100 ; 3 : 50 ; 4 : 100 ; 5 : 22 ; 6 : 73 ; 7 : 100 ; 8 : 100        |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-test 1 : 2 minutes ; 2 : 1½ ; 3 : 2 ; 4 : 1½ ; 5 : 5 ; 6 : 4 ; 7 : 10 ; 8 : 10. Total time : 22½ minutes |
| 8. Whether any shock absorber or practice items included in the test :                      | In some of the tests   |
| 9. Size of the sample on which standardized :   | Under standardization  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   | Bureau of Educational and Vocational Guidance, Bihar, Patna  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Bureau of Educational and Vocational Guidance, Bihar, Patna-3  |



( 6109 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Clerical Ability Test</b>  |
| 2. Author :   | Central Bureau of Educational and Vocational Guidance, Delhi  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 12 to 16 years, but can be used with older persons also   |
| 6. Number of sub-tests and items under each :   | Sub-tests 2 ; Number of items (i) 200 ; (ii) 200  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-test (i) : 10 minutes ; (ii) : 10 ; plus time for instructions  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | Not yet standardized  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | Studies of academically gifted boys ; work in progress  |
| 13. Norms, key and any other supplementary material :                                       | Key only  |
| 14. Price :   | Specimen free to researchers  |
| 15. Source from which available :   | Central Bureau of Educational and Vocational Guidance   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7 |

( 6201 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Geometrical Drawing Ability Test</b>   |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Non-verbal (directions in Bengali)</b>   |
| 4. Group or individual :  | <b>Group</b>  |
| 5. Age or age range for which meant :   | For pupils of class VIII and upwards  |
| 6. Number of sub-tests and items under each :   | 23 items under four heads. Seven items under the second head, however, carry double weight. Thus the total score is 30 points   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 1379 (provisional standardization on class VIII group)  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability ranges from .73 to .85   |
| 11. Validity coefficient and the criterion used :   | Ascertained by the follow-up technique : it ranges from .01 to .76 with the higher secondary examination results (Humanities, Science, Technical and Commerce streams included) as the criteria |
| 12. Important studies in which the test may have been used and important findings thereof : | Being used in the Bureau's work on allocation of pupils in secondary education  |
| 13. Norms key and any other supplementary material :  | Available, including provisional norms  |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta   |

( 6301 )

Oriya

- |   |  |
|---|--|
| 1. Name of the test :   | Literary Aptitude Test   |
| 2. Author :   | R. C. Das and S. C. Dash   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 13 to 17 years   |
| 6. Number of sub-tests and items under each :   | Sub-tests : 7. Total number of items : 40  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes for the whole test  |
| 8. Whether any shock absorber or practice items included in the test :                      | Examples given at the beginning of each part   |
| 9. Size of the sample on which standardized :   | Standardization is in progress   |
| 10. Reliability coefficient and the method used for reliability determination :             | Has not been determined  |
| 11. Validity coefficient and the criterion used :   | Correlation with marks in language .61   |
| 12. Important studies in which the test may have been used and important findings thereof : | Dash, S. C. "A Factor Analytical Study of Examination Marks." <i>Journal of Education and Psychology</i> Vol. XVII No. 2 (July 1959). Factor loading on the tests are : $F_1$ (Central Intelligence) .478 and $F_2$ (Verbal Factor) .532 |
| 13. Norms, key and any other supplementary material :                                       | Norms yet to be established  |
| 14. Price :   | Not yet priced   |
| 15. Source from which available :   | State Bureau of Educational and Vocational Guidance, Orissa, Cuttack   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | R. N. Training College, Cuttack  |

( 6401 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Mechanical Comprehension Test</b>  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal (directions are in Bengali)  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class VIII and upwards  |
| 6. Number of sub-tests and items under each :   | 29 items under nine sub-heads   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 25 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 816 (provisional standardization on class VIII group only)                              |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms in respect of class VIII group available                                |
| 14. Price :   |   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College           |
| 16. Any other information :   | The test is being revised   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19  |

( 6402 )

Hindi

1. Name of the test : **A Battery of Mechanical Aptitude Tests**
2. Author : **Manovigyan Shala, U.P.**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Performance (directions in Hindi)**
4. Group or individual : **Individual**
5. Age or age range for which meant : **11 plus to 16 plus**
6. Number of sub-tests and items under each : **It includes three tests (i) Tweezer Dexterity Test (ii) Detroit's Manual Ability Tasks (iii) The Steadiness Tester**
7. Time required to administer each of the sub-tests and the test as a whole : **No time limit**
8. Whether any shock absorber or practice items included in the test : **Tweezer Dexterity Test and Detroit Manual Ability Tasks include practice items**
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Norms under local conditions and directions for administering these tests are available in Hindi. A separate scoring sheet and instructions regarding the writing of the report have been prepared**
14. Price :
15. Source from which available :
16. Any other information : **It is being used in Manovigyan Shala since 1952**
17. Institution submitting information : **Manovigyan Shala, U.P., Allahabad**

( 6403 )

Hindi

1. Name of the test : **A Battery of Mechanical Aptitude Tests**
2. Author : **Manovigyan Shala, U.P.**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Performance**
4. Group or individual : **Group as well as individual**
5. Age or age range for which meant : **Above 10 plus**
6. Number of sub-tests and items under each : **Includes three tests, viz (i) Minnesota Mechanical Aptitude Test, (ii) Visual Reaction Timer and (iii) Steadiness Tester**
7. Time required to administer each of the sub-tests and the test as a whole : **18 minutes or Minnesota Mechanical Aptitude Test. Time for other tests is not fixed**
8. Whether any shock absorber or practice items included in the test : **Visual Reaction Timer includes practice items**
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Instructions and scoring sheets have been developed in Hindi**
14. Price :
15. Source from which available :
16. Any other information : **It is being used since 1957**
17. Institution submitting information : **Manovigyan Shala, U.P., Allahabad**



( 6404 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>A Battery of Aptitude Tests for the Selection of Craftsmen Trainees (All India Experiment)</b> |
| 2. Author :   | Directorate-General of Employment and Training  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | One sub-test is non-verbal and the other Verbal   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 16 to 25 years  |
| 6. Number of sub-tests and items under each :   | 2 Sub-tests, Abstract Reasoning and Number Series ; each with 40 items                            |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Not worked out  |
| 8. Whether any shock absorber or practice items included in the test :                      | Examples and practice items are included  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             | Not worked out  |
| 11. Validity coefficient and the criterion used :   | Validation is being planned   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Manual of directions and scoring key  |
| 14. Price :   | Unpriced  |
| 15. Source from which available :   | The test is "confidential"  |
| 16. Any other information :   | Standardization is in progress  |
| 17. Institution submitting information :  | Directorate-General of Employment and Training, New Delhi-2                                       |

( 6405 )

- |   |  |
|---|--|
| 1. Name of the test :   | Adaptation of Bennett's Mechanical Comprehension Test  |
| 2. Author :   | Adaptation by Institute of Vocational Guidance, Govt. of Maharashtra   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class X and onwards  |
| 6. Number of sub-tests and items under each :   | 60 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes (60 minutes including instructions)   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 246 of class X ; 170 of S. S. C. ; 284 of First Year Engineering Diploma, and 291 First Year Engineering Degree  |
| 10. Reliability coefficient and the method used for reliability determination :             | Not worked out   |
| 11. Validity coefficient and the criterion used :   | .54 with marks in the annual examination for Civil Engineering Degree (N=36) ; .34 with marks for Mechanical and Electrical Engineering Degree (N=45), .42 with marks for Diploma Course in Engineering (N=70) |
| 12. Important studies in which the test may have been used and important findings thereof : | This test has been used along with other tests for guidance and selection of engineering students  |
| 13. Norms, key and any other supplementary material :                                       | Norms on Bombay pupils available   |
| 14. Price :   |  |
| 15. Source from which available :   | Psychological Corporation, 522, 5th. Avenue, New York-18   |

16. Any other information :                      The Institute of Vocational Guidance has translated the questions into Hindi
17. Institution submitting information :                      Institute of Vocational Guidance,  
3 Cruickshank Road, Bombay-1

( 6406 )

1. Name of the test : **A Battery of Aptitude Tests for Selection of Craftsmen Trainees in the Industrial Training Institutes (Delhi Experiment)**
2. Author : **Directorate-General of Employment, and Training, Ministry of Labour and Employment, Government of India**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Non-Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **16 to 25 years (age range prescribed for admission to the Industrial Training Institutes)**
6. Number of sub-tests and items under each : **6 sub-tests : (i) Classification (30 items); (ii) Analogies (30 items) ; (iii) Arithmetic (Part I, 40 items ; Part II, 33 items) ; (iv) Table Reading (40 items) ; (v) Eye-Hand Coordination (100 rows of small designs in which a dot is to be put as indicated for each row) ; (vi) The Revised Minnesota Paper Form Board is also included in the battery**
7. Time required to administer each of the sub-tests and the test as a whole : **Classification : 30 minutes ; Analogies : 30 ; Arithmetic Part I : 7, Part II : 8 ; Table Reading : 5 ; Revised Minnesota Paper Form Board : 20. The battery as a whole : about 3 hours**
8. Whether any shock absorber or practice items included in the test : **Examples and practice problems are included in all the sub-tests**
9. Size of the sample on which standardized : **Not standardized**
10. Reliability coefficient and the method used for reliability determination : **Not worked out**

11. Validity coefficient and the criterion used : The validity coefficients of sub-tests for the trades included in the experiment are given in the table below :

*Criterion used :* Average weekly marks obtained by the trainees in the Industrial Training Institutes in the 8th month after admission

Test	Trades						
	Draftsman (Civil)	Draughts- man (mech.)	Survey- or	Machi- nist	Radio mech.	Refri- gerator	Tailor- ing and cutting
	N: 38	N: 55	N: 18	N: 36	N: 30	N: 13	N: 70
Analogies	.62	.10	.29	.33	.11	.74	.06
Classification	.39	.10	.80	.31	.07	.02	.15
R.M.P.F.B.	.78	.08	.53	.18	.09	.26	.15
Table Reading	-.05	-.05	.40	.33	.26	.36	.12
Arithmetic	.19	-.06	-.26	.18	.17	.06	-.07
Eye-Hand Coordi- nation	.15	-.19	.16	.19	.18	.29	.32

12. Important studies in which the test may have been used and important findings thereof : Nil
13. Norms, key and any other supplementary material : Manual of directions and scoring keys
14. Price : Not for sale
15. Source from which available :
16. Any other information :

#### Intercorrelations of Tests

Tests	Analogies	Arithmetic	Classification	Table Reading	R.M.P.F.B.
Eye-Hand Cordination	.21	.15	.13	.20	.21
Analogies		.35	.45	.21	.40
Arithmetic			.24	.27	.33
Classification				.27	.40
Table Reading					.33

Intercorrelation coefficients range from .13 to .45, Median being .27

17. Institution submitting information : Directorate-General of Employment and Training, New Delhi-2

( 6407 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Mechanical Aptitude Test 361</b>   |
| 2. Author :   | A. Pradhan, M.M. Mishra and S.K. Mitra  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal. instructions in Gujarati; paper and pencil ; speeded  |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 6 Sub-tests. Figure Judgement : 24 ; Length Estimate : 24 ; Angle Estimate : 22 ; Distance Judgement : 24 ; Figure Matching : 48 ; Dotting : 55                   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Figure Judgement, Length Estimate, Angle Estimate, Distance Judgement : 6 minutes each ; Figure Matching : 5 minutes ; Dotting : 2 minutes. Total time 31 minutes |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes for each sub-test   |
| 9. Size of the sample on which standardized :   | Not standardized  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | B.M. Institute  |
| 16. Any other Information :   | Nil   |
| 17. Institution submitting information :  | B.M. Institute, Ashram Road, Ahmedabad  |



( 6408 )

Gujarati

1. Name of the test : **A Mechanical Aptitude Test for Post S.S.C. Students**
2. Author : **Jayendra C. Parikh**
3. Nature of the test (verbal, non-verbal, performance, etc.): **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **For Post, S. S. C. students**
6. Number of sub-tests and items under each : **Five sub-tests : (i) Mechanical Comprehension : items 30 ; (ii) Mechanical Relationship : 15 ; (iii) Instructional Knowledge : 7 ; (iv) Shop Airthmetic : 8 ; (v) Spatial Relations : 15**
7. Time required to administer each of the sub-tests and the test as a whole : **45 minutes**
8. Whether any shock absorber or practice items included in the test : **No**
9. Size of the sample on which standardized : **781**
10. Reliability coefficient and the method used for reliability determination : **Kuder-Richardson reliability : .87 ; Split-half reliability : .85**
11. Validity coefficient and the criterion used : **Concurrent validity .52**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Percentile norms, standard score norms, answer-sheet, key**
14. Price : **Not fixed**
15. Source from which available : **J. C. Parikh  
Present Address : S. T. T. College, S. V. Vidyapeeth Vallabh Vidya Nagar (Distt. Karia)  
Permanent Adress : Navapura, Dalia Sheri, Surat**

16. Any other information :

17. Institution submitting information :

The author

( 6409 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>A Battery of Mechanical Aptitude Tests</b>  |
| 2. Author :   | Atmananda Sharma   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                 | Some sub-tests non-verbal and some Verbal  |
| 4. Group or individual :  | Group  |
| 5. Age, or age range for which meant :  | Grades VIII through XII  |
| 6. Number of sub-tests and items under each :                                   | Five sub-tests, each containing 30 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :  | (i) Knowledge of Tools, 15 minutes ;<br>(ii) Mechanical Comprehension, 15 ;<br>(iii) Space Relations, 20 ; (iv) Form Relation, 10 ; (v) Mechanical Adaptability, 15  |
| 8. Whether any shock absorber or practice items included in the test :          | Three practice items for each sub-test or part thereof   |
| 9. Size of the sample on which standardized :                                   | 500, which is the total population of pupils in Technical Higher Secondary Schools/Junior Technical Schools/Multipurpose Higher Secondary Schools ( Tech. group ) of Delhi, U.P. and M.P.  |
| 10. Reliability coefficient and the method used for reliability determination : | The Split-half reliability coefficient for the battery ( 150 items ) ranges between .90 and .98 for different grades   |
| 11. Validity coefficient and the criterion used :                               | (a) Biserial 'r' obtained by employing Peter's Nomination Technique is .495. The higher 15% cases from all the classes were pooled together and similarly the lower 15% cases. (b) Difference between Means : The Significance of the differences between Means of 15% highest and 15% lowest groups was tested for each grade separately. All the differences were significant at .001 level. |

(c) Correlations between Aptitude Scores and final examination marks are as follows :

	Eng.	Maths.	Phys.	Chem.	Drawing	Work-shop	Total Tech.	Grand Total
Third year Delhi (N=81)	.24	.23	.32	.09	.49	.60	.71	.33
Second year Delhi (N=71)	.21	.33	.36	.14	.44	.62	.70	.44
	Eng.	Maths. & Sc.	Hindi		Drawing	Practical Work	Total Tech.	Grand Total
C.XII U.P. (N=52)	.11	.23	.00		.47	.58	.68	.58
C.X U.P. (N=96)	.45	.46	.31		.41	.62	.64	.43
	Eng.	Maths.	Science	Drawing	Trade Theor.	Trade Pract.	Total Tech.	Grand Total
Third year J.T.S. U.P. & M.P. (N=60)	.39	.45	.40	.46	.48	.60	.72	.54
Second year J.T.S. U.P. & M.P. (N=132)	.34	.37	.36	.51	.42	.56	.71	.47

12. Important studies in which the test may have been used and important findings thereof :

It was used in the 'Survey of available technical potential at the delta level' conducted by the C.B.E.V.G. last year. A score of 87 was empirically obtained to discriminate between the technical potential and the non-potential. The mean aptitude score of urban (N=939) and rural groups (N=159) were 72.97 and 66.19 respectively ; there was a significant difference between the means of the two groups. The rural contribution to the potential supply was very small, it being 1.10% in comparison with 13.45% contributed by the urban region. The battery is being used in two other research projects as well

13. Norms, key and any other supplementary material : A manual containing all the information is available
14. Price : Not yet fixed. The test and manual have not yet been printed, but cyclostyled copies can be had from the author for research purposes only
15. Source from which available : Dr. A. Sharma, Senior Research Officer, Central Bureau of Educational and Vocational Guidance, 33-Chhatra Marg, Delhi-7
16. Any other information : The tests have been translated into English. Detailed information regarding the battery can be had from the doctoral thesis entitled 'A battery of Mechanical Aptitude Tests—Construction and Standardization,' submitted to Agra University in 1963
17. Institution submitting information : Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7

( 6501 )

1. Name of the test : Shreni Vinyas Pariksha (1) (West Bengal Adaptation of the D.A.T. Numerical Ability)
2. Author : Bureau of Educational and Psychological Research, David Hare Training College, Calcutta
3. Nature of the test (vebral, non-vebral, performance, etc.) : Non-verbal (Instructions in Bengali)
4. Group or individual : Group
5. Age or age range for which meant : For pupils of class VIII
6. Number of sub-tests and items under each : 36
7. Time required to Administer each of the sub-tests and the test as a whole : 30 minutes
8. Whether any shock absorber or practice items included in the test : Yes
9. Size of the sample on which standardized : 4184 (provisional standardization on class VIII group)
10. Reliability coefficient and the method used for reliability determination : Split-half reliability ranges from .68 to .91
11. Validity coefficient and the criterion used : Being ascertained by the follow up technique
12. Important studies in which the test may have been used and important findings thereof : Being used in the Bureau's work on allocation of pupils in secondary education
13. Norms, key and any other supplementary material : Available, including provisional norms
14. Price : Not yet fixed
15. Source from which available : Bureau of Educational and Psychological Research, David Hare Training College
16. Any other information :
17. Institution submitting information : David Hare Training College, Calcutta-19



( 6502 )

- |   |  |
|---|--|
| 1. Name of the test :   | Numerical  |
| 2. Author :   | Department of Education, Gorakhpur University                  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 10 years and 8 months to 16 years and 9 months                 |
| 6. Number of sub-tests and items under each :   | Total number of items : 64                                     |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 25 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 934  |
| 10. Reliability coefficient and the method used for reliability determination :             | Not found  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : | Used to compare rural-urban boys and to factorize matrix       |
| 13. Norms, key and any other supplementary material :                                       | Not established  |
| 14. Price :   |  |
| 15. Source from which available :   |  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Department of Education, Gorakhpur University, Gorakhpur, U.P. |

( 6503 )

Hindi

1. Name of the test : Numerical Reasoning Test
2. Author : Bureau of Educational and Vocational Guidance, Bihar, Patna
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Both
5. Age or age range for which meant : 12 to 18 years
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :  $\frac{1}{2}$  hour
8. Whether any shock absorber or practice items included in the test : Yes
9. Size of the sample on which standardized : 920
10. Reliability coefficient and the method used for reliability determination : .89 by Kuder-Richardson formula
11. Validity coefficient and the criterion used : .45 with examination marks in science subjects
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Being prepared
14. Price : Not yet fixed
15. Source from which available : Bureau of Educational and Vocational Guidance, Bihar, Patna
16. Any other information :
17. Institution Submitting information : Bureau of Educational and Vocational Guidance, Bihar, Patna-3

## ( 6504 )      English, Gujarati and Marathi

- |   |  |
|---|--|
| 1. Name of the test :   | Numerical Aptitude Test  |
| 2. Author :   | Padam A. Iyer  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of classes X and XI   |
| 6. Number of sub-tests and items under each :   | 40 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes (about 40 minutes including instructions)   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 777 pupils of class X and 621 pupils of class XI   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability .89 (N=43), .9 (N=45); by Test-retest after one month .68 (N=94), .58 (N=96)                        |
| 11. Validity coefficient and the criterion used :   | With terminal examination marks in mathematics of class XI .47; with terminal examination marks of class X .32             |
| 12. Important studies in which the test may have been used and important findings thereof : | It has been used along with other tests for guidance and selection   |
| 13. Norms, key and any other supplementary material :                                       | Norms for classes X and XI available   |
| 14. Price :   |  |
| 15. Source from which available :   | Not yet published for sale   |
| 16. Any other information :   | The original test in English has been translated into Marathi and Gujarati by the Institute of Vocational Guidance, Bombay |
| 17. Institution submitting information :  | Institute of Vocational Guidance, 3 Cruickshank Road, Bombay-1   |

( 6601 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Construction and Standardization of a Reasoning Test</b>  |
| 2. Author :   | R.H. Dave  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 11 years and 6 months to 18 years and above ; class VIII and onward  |
| 6. Number of sub-tests and items under each :   | One test   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 50 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | 3 practice items   |
| 9. Size of the sample on which standardized :   | 1627 pupils  |
| 10. Reliability coefficient and the method used for reliability determination :             | By Test-retest method .82 and by Split-half method .80. Corrected by Spearman-Brown formula .88  |
| 11. Validity coefficient and the criterion used :   | The validity of the test was determined by correlating the results with those of Stanford-Binet Test, Desai Group Tests of Intelligence, and a reasoning test from Desai's battery. It worked out to .86 |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Contained in the dissertation submitted in part fulfilment of the requirements for the degree of M. Ed. Also in the published manual of directions   |
| 14. Price:  | Re.0.12  |
| 15. Source from which available :   | Ahmedabad Book Depot, Gandhi Road, Ahmedabad-1   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | A.G. Teachers College, Ahmedabad-9   |

( 6602 )

Bengali

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Shreni Vinyas Pariksha (2) (West Bengal Adaptation of D.A.T. Abstract Reasoning)</b> |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal (instructions in Bengali)  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class VIII and upwards  |
| 6. Number of sub-tests and items under each :   | 48 items (excluding two practice items)   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 25 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 1539 (provisional standardization on class VIII)  |
| 10. Reliability coefficient and the method used for reliability determination :             | Being ascertained by the Split-half method  |
| 11. Validity coefficient and the criterion used :   | Being ascertained by the follow up technique  |
| 12. Important studies in which the test may have been used and important findings thereof : | Being used in the Bureau's work on allocation of pupils in secondary education          |
| 13. Norms, key and any other supplementary material :                                       | Available, including provisional norms  |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College           |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19  |

( 6603 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Inductive Reasoning   |
| 2. Author :   | Department of Education, Gorakhpur University                 |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 10 years and 8 months to 16 years and 9 months                |
| 6. Number of sub-tests and items under each :   | Total number of items : 60                                    |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 20 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 934   |
| 10. Reliability coefficient and the method used for reliability determination :             | Not found   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | Used to compare rural-urban boys and to factorise matrix      |
| 13. Norms, key and any other supplementary material :                                       | Not established   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Department of Education, Gorakhpur University, Gorakhpur U.P. |



( 6604 )

**Hindi**

1. Name of the test : **Verbal Ability Test—Hindi**
2. Author : **Pritam Rohila, V. M. Sharma, Vijay Sharma**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal test of reasoning**
4. Group or individual : **Group**
5. Age or age range for which meant : **Pupils of classes VIII through XI**
6. Number of sub-tests and items under each : **(i) Spellings : 10 items; (ii) Same Opposites : 15; (iii) Word Meaning : 10; (iv) Sentence Completion : 15; (v) Analogies : 15. Total 65 items**
7. Time required to administer each of the sub-tests and the test as a whole : **25 minutes**
8. Whether any shock absorber or practice items included in the test : **One practice item for each sub-test**
9. Size of the sample on which standardized : **562 (269 boys and 293 girls)**
10. Reliability coefficient and the method used for reliability determination : **Split-half reliability corrected by Spearman-Brown formula for boys of class VIII (N=32) .86 (SE 4.40); class IX (N=33) .76 (SE 4.92); class X (N=20) .88 (SE 4.41); for girls of class VIII (N=33) .92 (SE 3.47); class IX (N=39) .87 (SE 4.01); class X (N=20) .89 (SE 3.18)**
11. Validity coefficient and the criterion used : **Correlation with marks in Hindi for boys of class VIII (N=57) .570; class IX (N=24) .597; (N=23) .116; class X (N=31) .529. Mean scores increase with grade**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Cyclostyled test booklets and keys. Norms not yet prepared**
14. Price : **Sample test booklets free to researchers**

15. Source from which available : Pritam Rohila C/o Central Bureau of Educational and Vocational Guidance
16. Any other information :
17. Institution submitting information : Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7

( 6605 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Verbal Reasoning Test</b>  |
| 2. Author :   | K. N. Sharma  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which meant :   | The test was administered on the Indian students of intermediate, graduate and post-graduate classes. Can be used at lower levels provided it is translated in regional languages   |
| 6. Number of sub-tests and items under each :   | There are 5 sub-tests, each with 20 multiple-choice items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Sub-test I (Grouping) : 8 Minutes; II (Analogies) : 10 minutes; III (Given Facts) : 12 minutes; IV (Conclusions) : 15 minutes; V (Decoding) : 15 minutes. The subjects were given a total of one hour to answer the entire test and about 15 minutes time was taken by the Test Supervisor to read out the instructions |
| 8. Whether any shock absorber or practice items included in the test :                      | One sample item included in the directions for each sub-test  |
| 9. Size of the sample on which standardized :   | 750 students of different university classes of 7 colleges  |
| 10. Reliability coefficient and the method used for reliability determination :             | Reliability coefficients range from .62 to .95 for different classes, estimated by the Split-half method corrected by the Spearman-Brown formula  |
| 11. Validity coefficient and the criterion used :   | Correlations with examination marks significant at .01 level  |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |

15. Source from which available : Dr. K. N. Sharma, Psychologist, Indian Statistical Institute, 203 Barrackpore Trunk Road, Calcutta-35
16. Any other information : From this test four factors were extracted namely, (a) General Reasoning, (b) Perception of Relationships, (c) Deduction, and (d) Induction. Centroid method of factor analysis was used. For factor interpretation orthogonal method of rotation was employed. The test at present is in the process of standardization and can be made available only for research purposes
17. Institution submitting information : Indian Statistical Institute, 203-Barrackpore Trunk Road, Calcutta-35

( 6606 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Re-standardization of D. A. T. Abstract Reasoning Test of Psychological Corporation of U. S. A.</b>   |
| 2. Author :   | Re-standardization by Institute of Vocational Guidance, Govt. of Maharashtra   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | Higher ages  |
| 6. Number of sub-tests and items under each :   | One test of 50 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes (70 minutes including instructions)   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | About 200 of S.S.S., 300 of class VII, 248 of class X and about 500 of other classes   |
| 10. Reliability coefficient and the method used for reliability determination :             | 0.93.  |
| 11. Validity coefficient and the criterion used :   | (i) .40 with school marks ; (ii) .49 with engineering diploma final examination marks ; (iii) .48 with engineering degree final examination marks ; (iv) .45 with technical high school, (v) .45 with architecture examination marks |
| 12. Important studies in which the test may have been used and important findings thereof : | This test has been used along with other tests for selection and guidance of engineering and architecture students   |
| 13. Norms, key and any other supplementary material :                                       | Norms on local population have been found  |
| 14. Price :   |  |
| 15. Source from which available :   | Manasayan, 32 Faiz Bazar, Delhi  |

16. Any other information :      The test correlated better with marks in engineering and architecture courses than with marks in medical, arts and science courses
17. Institution submitting information :      Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1



( 6607 )

Bengali

- |   |   |
|---|---|
| 1. Name of the test :   | Shreni Vinyas Pariksha (3) (West Bengal Adaptation of D.A.T. Verbal Reasoning)          |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class VIII and upwards  |
| 6. Number of sub-tests and items under each :   | 45 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 35 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 1539 (Provisional standardization on class VIII group)                                  |
| 10. Reliability coefficient and the method used for reliability determination :             | Being ascertained by the Split-half method  |
| 11. Validity coefficient and the criterion used :   | Being ascertained by the follow-up technique  |
| 12. Important studies in which the test may have been used and important findings thereof : | Being used in the Bureau's work on allocation of pupils in secondary education          |
| 13. Norms, key and other supplementary material :   | Available, including provisional norms  |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College           |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19  |

( 6701 )

1. Name of the test :  
Re-standardization of Scholastic Aptitude Test for Medical School (F. A. Moss, O. B. Hunter, H. F. Hubbard)
2. Author :  
Re-standardization by Institute of Vocational Guidance, Govt. of Maharashtra
3. Nature of the test (verbal, non-verbal, performance, etc.) :  
Verbal
4. Group or individual :  
Group
5. Age or age range for which meant :  
For pupils of intermediate science (biology) beginners and First Year M.B.B.S.
6. Number of sub-tests and items under each :  
Six sub-tests. Subtest 1 : 40 items; 2 : 100; 3 : 20; 4 : 20; 5 : 20 and 6 : 15
7. Time required to administer each of the sub-tests and the test as a whole :  
90 minutes including directions
8. Whether any shock absorber or practice items included in the test :  
No
9. Size of the sample on which standardized :  
196 of Inter Sc. (biology) and 468 of First-Year M.B.B.S.
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :  
(a) With First Year annual examination marks .49 (N=77); (b) Multiple R of this test and Inter marks with First Year annual examination marks, .57  
This test is being used in experiments to determine prediction of success in the medical course
12. Important studies in which the test may have been used and important findings thereof :  
Norms on Bombay Inter Science (Biology) and First Year M.B.B.S. are available
13. Norms, key and any other supplementary material :
14. Price :  
Not yet published
15. Source from which available :
16. Any other information :
17. Institution submitting information :  
Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1

( 6702 )

Gujarati

1. Name of the test : **Scholastic Aptitude Test for schools**
2. Author : **Institute of Vocational Guidance, Government of Maharashtra.**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **10 years and onwards**
6. Number of sub-tests and items under each : **4 sub-tests, 20 items each**
7. Time required to administer each of the sub-tests and the test as a whole : **7 minutes, 3 minutes, 3 minutes and 7 minutes. Total about 70 minutes, including instructions**
8. Whether any shock absorber or practice items included in the test : **6 for each sub-test**
9. Size of the sample on which standardized : **2623 boys and 702 girls**
10. Reliability coefficient and the method used for reliability determination : **Test-retest .82 (N=92); Split-half .91 (N=94), .91 (N=67), .84 (N=98), .91 (N=89), .93 (N=101), .91 (N=101)**
11. Validity coefficient and the criterion used : **With school marks .61 (N=94), .35 (N=91), .54 (N=78), .58 (N=87), .53 (N=101), .35 (N=101); with Kamat's and Desai's tests it ranges from .5 to .84**
12. Important studies in which the test may have been used and important findings thereof : **This test along with other tests has been used in selecting pupils for technical and commercial high schools**
13. Norms, key and any other supplementary material : **Grade norms and norms in the form of S.Q.'s (Scholastic Quotient) available**
14. Price : **Not being sold yet**
15. Source from which available : **Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1**
16. Any other information :
17. Institution submitting information : **Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1**

( 6703 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | Scholastic Aptitude Test for High School   |
| 2. Author :   | Institute of Vocational Guidance, Govt. of Maharashtra   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of English-medium high school classes   |
| 6. Number of sub-tests and items under each :   | 4 sub-tests, 20 items each   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 7 minutes, 3 minutes, 3 minutes and 7 minutes. Total : 2 school periods including instructions |
| 8. Whether any shock absorber or practice items included in the test :                      | 6 items for each sub-test  |
| 9. Size of the sample on which standardized :   | Being standardized   |
| 10. Reliability coefficient and the method used for reliability determination :             | To be worked out   |
| 11. Validity coefficient and the criterion used :   | With school marks .63 (N=49) ; .56 (N=78), .35 (N=130)   |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Norms being worked out   |
| 14. Price :   |  |
| 15. Source from which available :   | Not yet published  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Institute of Vocational Guidance 3, Cruickshank Road, Bombay-1                                 |

( 6704 )

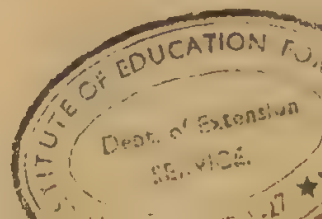
Marathi

- |   |   |
|---|---|
| 1. Name of the test :   | Scholastic Aptitude Test for High School  |
| 2. Author :   | Institute of Vocational Guidance, Govt. of Maharashtra                          |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of high school classes   |
| 6. Number of sub-tests and items under each :   | 4 sub-tests, 20 items each  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 7 minutes, 3 minutes, 3 minutes and 7 minutes. Total : 2 school periods         |
| 8. Whether any shock absorber or practice items included in the test :                      | 6 for each sub-test   |
| 9. Size of the sample on which standardized :   | 403 of Vidarbha and 288 of class X. Norms on other classes yet to be worked out |
| 10. Reliability coefficient and the method used for reliability determination :             | To be worked out  |
| 11. Validity coefficient and the criterion used :   | To be worked out  |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Norms for class IX and X of Vidarbha available                                  |
| 14. Price :   |   |
| 15. Source from which available :   | Not yet published for sale  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Institute of Vocational Guidance 3, Cruickshank Road, Bombay-1                  |

( 6705 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | Scholastic Aptitude Test for College Students                   |
| 2. Author :   | Institute of Vocational Guidance, Govt. of Maharashtra          |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For college students  |
| 6. Number of sub-tests and items under each :   | Omnibus test with 75 items                                      |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Yet to be fixed   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | Yet to be standardized  |
| 10. Reliability coefficient and the method used for reliability determination :             | To be worked out  |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | Not yet published for sale                                      |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1 |





( 6706 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>University Entrance Test</b>  |
| 2. Author :   | T. P. Lele and others  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | To be administered to those who apply for admission to the First Year classes in colleges  |
| 6. Number of sub-tests and items under each :   | 1 : 26 items; 2 : 24; 3 : 20; 4 : 24; 5 : 40; 6 : 8. Total number of items 142   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Total time 36 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 724  |
| 10. Reliability coefficient and the method used for reliability determination :             | By Split-half method : $.944 \pm .0037$ (N=397); $.914 \pm .0061$ (N=327)  |
| 11. Validity coefficient and the criterion used :   | With annual marks for First Year Science .68 (N=232); for First Year Arts .54 (N=183); with marks in General Science .74 (N=139) |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms separately for First Year Arts and First Year Science are available   |
| 14. Price :   | Not mentioned  |
| 15. Source from which available :   | Faculty of Education and Psychology, M. S. University, Baroda  |
| 16. Any other information :   | The test is very useful in selection of students for admission to the First Year class of Arts and Science in colleges           |
| 17. Institution submitting information :  | Faculty of Education and Psychology, M. S. University, Baroda  |

( 6801 )

Bengali

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Scientific Aptitude Test</b>  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For pupils of class VIII and upwards   |
| 6. Number of sub-tests and items under each :   | 36 items under six sub-heads   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 40 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes, under each sub-head   |
| 9. Size of the sample on which standardized :   | 4234 (provisional standardization on class VIII group)   |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   | Ranges from .01 to .50 with the Higher Secondary Examination results (Humanities, Science and Technical streams included) as the criterion<br>Being used in the Bureau's work on allocation of pupils in secondary education |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Available, including provisional norms   |
| 14. Price :   | Not yet fixed  |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19   |

( 6802 )

Hindi

1. Name of the test : **Science Aptitude Test (S.A.T.), Forms A and B**
2. Author : **S.M. Mohsin**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **For pupils of classes VIII and IX**
6. Number of sub-tests and items under each : **Sub-test 1 : 20 items ; 2 : 17 ; 3 : 16.  
Total number of items : 53**
7. Time required to administer each of the sub-tests and the test as a whole : **Sub-test 1 : 12 minutes ; 2 : 12 ; 3 : 9.  
Total time : 33 minutes**
8. Whether any shock absorber or practice items included in the test : **Sub-test 1 : practice items 10 ; 2 : 1 ; 3 : 1**
9. Size of the sample on which standardized : **920**
10. Reliability coefficient and the method used for reliability determination : **By Kuder-Richardson method : .89 ; by Split-half method : .87**
11. Validity coefficient and the criterion used : **(a) With school marks in Physics : .45, Chemistry : .45, Ganit : .45 ; (b) with V.I.T. : .76 ; V.I.T. 1 : .72**
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Manual**
14. Price : **Specimen free**
15. Source from which available : **Educational and Vocational Guidance Bureau, Bihar, Patna**
16. Any other information :
17. Institution submitting information : **Educational and Vocational Guidance Bureau, Bihar, Patna-3**

(6803)

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Science Selection Battery   |
| 2. Author :   | Central Bureau of Educational and Vocational Guidance, Delhi  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal and non-verbal   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class IX  |
| 6. Number of sub-tests and items under each :   | 4 sub-tests, Verbal: 69 items ; Non-Verbal: 60, Arithmetic Reasoning: 42; Space Relations : 78  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 2 hours 30 minutes  |
| 8. Whether any shock absorber or practice items, included in the test :                     | Yes   |
| 9. Size of the sample on which standardized :   | 400   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliabilities corrected by Spearman-Brown formula : .88 for Verbal and Non-verbal, .82 for Arithmetic, and .93 for Space Relations (N=100) S.E. of Measurement have been ascertained.          |
| 11. Validity coefficient and the criterion used :   | Against composite scores in the final examination marks of class IX : (N=250) .35 for Verbal, .30 for Non-verbal, .31 for Arithmetic Reasoning, .20 for Space Relations. Multiple R of the battery is .44 |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Stanine norms   |
| 14. Price :   | Not published   |
| 15. Source from which available :   | Central Bureau of Educational and Vocational Guidance   |

16. Any other information :                      A number of validation studies on this battery have been taken up by the Central Bureau
17. Institution submitting information :                      Central Bureau of Educational and Vocational Guidance, Deptt. of Psychological Foundations, National Institute of Education, 33 Chhatra Marg, Delhi-7

( 6804 )

1. Name of the test : Science Aptitude Test, 1964
2. Author : Department of Science Education,  
National Institute of Education
3. Nature of the test (verbal, non-verbal, performance etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : For pupils at the end of the higher secondary or equivalent stage
6. Number of sub-tests and items under each : There are two parts in the test. Part A has 65 factual type question on 11 different areas of sciences. Part B contains 95 questions of thought type on 14 different areas of sciences
7. Time required to administer each of the sub-tests and the test as a whole : The test is to be given as a whole and the time limit is three hours
8. Whether any shock absorber or practice items included in the test : There are no practice items but one item is given as an example on the title page. Sample items are provided in the Information Brochure
9. Size of the sample on which standardized : The test has been administered to 6894 students from all over the country
10. Reliability coefficient and the method used for reliability determination : The reliability coefficient is .90, using Kuder-Richardson (20) formula
11. Validity coefficient and the criterion used : .38 against total marks for science subjects at the higher secondary examination
12. Important studies in which the test may have been used and important findings thereof : (a) Research connected with this test is being conducted at the Department of Science Education. (b) The test items are being used by various Boards of Secondary Education in India and the predictive validity of the items is yet to be found
13. Norms, key and any other supplementary material : The norms are being worked out, but the test is for restricted use
14. Price : Not for sale
15. Source from which available : Department of Science Education



16. Any other information :      The test is for selection purposes and the Department of Science Education has the copyright of the items. The items can however be utilized by research workers and Boards of Secondary Education for selection and allied purposes
17. Institution submitting information :      Department of Science Education, National Institute of Education, N.I.E. Building, Mehrauli Road, New Delhi

( 6901 )

1. Name of the test : Adaptation of Minnesota Rate of Manipulation Test (Zieglers)
2. Author : Adaption by Institute of Vocational Guidance, Govt. of Maharashtra
3. Nature of the test (verbal, non-verbal, performance, etc.) : Performance
4. Group or individual : Group
5. Age or age range for which meant : For pupils of class X and onwards
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole : About 30 minutes including instructions
8. Whether any shock absorber or practice items included in the test : Yes
9. Size of the sample on which standardized : 226 pupils of class X and 200 technical trainees (all male)
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used : To be worked out
12. Important studies in which the test may have been used and important findings thereof : Experimentation in Johnson & Johnson, India, Ltd., Larsen & Toubro, Ltd. Packer girls did significantly better than others
13. Norms, key and any other supplementary material : Available
14. Price : Rs. 60.00 per set
15. Source from which available : Purohit and Purohit, 431/43, Shukrawar Peth, Poona-2
16. Any other information :
17. Institution submitting information : Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1

( 6902 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Adaptation of Tweezer Dexterity Test (O' Connor's)</b>   |
| 2. Author :   | Adaptation by Institute of Vocational Guidance, Govt. of Maharashtra  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Performance   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class X and age 14 plus   |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 5 minutes plus 20 minutes for instructions  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | 213 pupils of class X and 196 technical trainees (male)   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   | To be worked out  |
| 12. Important studies in which the test may have been used and important findings thereof : | Experimentation in Johnson & Johnson, India, Ltd., Larsen & Toubro, Ltd. Packer girls do significantly better than others |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Rs. 45.00 per set   |
| 15. Source from which available :   | Purohit and Purohit, 431/43, Shukrawar Peth, Poona-2  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1   |

(6903)

1. Name of the test : **Adaptation of Finger Dexterity Test (O'Connor's)**
2. Author : **Adaptation by Institute of Vocational Guidance, Govt. of Maharashtra**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Performance**
4. Group or individual : **Originally an individual test but now adapted for use with groups**
5. Age or age range for which meant : **For pupils of class X and onwards**
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole : **5 minutes plus 30 minutes for instructions**
8. Whether any shock absorber or practice items included in the test : **Yes**
9. Size of the sample on which standardized : **230 of class X and 197 technical trainees (male)**
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used : **To be worked out**
12. Imporant studies in which the test may have been used and important findings thereof : **Experimentation in Johnson & Johnson India Ltd., Larsen & Toubro Ltd. Packer girls do significantly better than others**
13. Norms, key and any other supplementary material : **Available**
14. Price : **Rs. 45.00 per set**
15. Source from which available : **Purohit and Purohit, 431/43 Shukrawar Peth, Poona**
16. Any other information :
17. Institution submitting information : **Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1**

( 7101 )

1. Name of the test : **Adaptation of N.I.I.P. London Non-verbal Form Relations Group Test**
2. Author : **Adaptation by Manovigyan Shala, U.P.**
3. Nature of the test ( verbal, non-verbal, performance, etc.) : **Non-verbal**
4. Group or individual : **Group**
5. Age or age for which meant : **14, 15 and 16 years**
6. Number of subtests and items under each : **8 parts, each with five items**
7. Time required to administer each of the sub-tests and the test as a whole : **Each test requires a different time limit ranging from one minute to five minutes**
8. Whether any shock absorber or practice items included in the test : **One sample item**
9. Size of the sample on which standardized : **The test was first administered to 848 boys of class VIII of different schools of Allahabad in connection with the allocation work. For norms, the sample also included 1057 boys of class X drawn from 11 higher secondary schools of U.P. and 889 boys of class XII drawn from 10 higher secondary schools of U.P. .**
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : **Standard score norms for classes VIII, X and XII and percentile norms for class VIII. Instructions available in Hindi**
14. Price :
15. Source from which available : **National Institute of Industrial Psychology, London**

16. Any other information : Tentative norms for class VIII were first prepared in January 1952 and January-February 1954. For class X and XII norms were prepared in 1955. The test is being used for group allocation purposes in higher secondary schools
17. Institution submitting information : Manovigyan Shala, U.P. Allahabad



( 7102 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Norms for Revised Minnesota Paper Form Board Test (Likert and Quasha)</b>    |
| 2. Author :   | Norms prepared by Manovigyan Shala, U.P.  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Non-verbal  |
| 4. Group for individual :   | Group   |
| 5. Age or age range for which meant :   | Age range of norm group : 10 to 15 years  |
| 6. Number of sub-tests and items under each :   | 64 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 20 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Includes practice items   |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Tentative norms, key and instructions for administration in Hindi are available |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Manovigyan Shala, U.P. Allahabad  |

( 7103 )

1. Name of the test : **Re-standardization of Revised Minnesota Paper Form Board Test (Likert and Quasha)**
2. Author : **Re-standardization by Institute of Vocational Guidance, Govt. of Maharashtra**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Non-verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **For pupils of class VII onwards**
6. Number of sub-tests and items under each : **64 items**
7. Time required to administer each of the sub-tests and the test as a whole : **20 minutes (45 minutes including instructions)**
8. Whether any shock absorber or practice items included in the test : **Yes**
9. Size of the sample on which standardized : **About 2500**
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used : **With marks for Engg. degree .43 (N=77); with marks for Diploma in Engg. .76 (N=13); .36 (N=42); with marks for final year degree in Engg., .29 (N=69); with marks for final year Diploma .57 (N=53); with marks for degree in Technical Drawing .49 (N=80) etc.**
12. Important studies in which the test may have been used and important findings thereof : **This test has been used as one of the batteries for guidance and selection of pupils for engineering courses**
13. Norms, key and any other supplementary material : **Norms on Bombay boys (Engineering Degree, Diploma, Technical High School and Architecture courses) available**
14. Price :

15. Source from which available :      Mansayan, 32 Faiz Bazar, Delhi-6
16. Any other information :
17. Institution submitting information :      Institute of Vocational Guidance  
3, Cruickshank Road, Bombay-1

( 7104 )

1. Name of the test : Re-standardization of Form Perception Test of the G. A. T. B.
2. Author : Re-standardized by the Institute of Vocational Guidance, Govt. of Maharashtra
3. Nature of the test (verbal, non-verbal, performance, etc.) : Non-verbal
4. Group of individual : Group
5. Age or age range for which meant : Tried on S. S. C. and First Year Arts boys
6. Number of sub-tests and items under each : 60 items
7. Time required to administer each of the sub-tests and the test as a whole : 8 minutes
8. Whether any shock absorber or practice items included in the test : Yes
9. Size of the sample of which standardized : 300 of class X and 132 of class XI
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used : With performance of the trainees of the Inspector of Works, Bulsar, .36 ; with First Year Arts marks, .07
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Available for classes X and XI
14. Price :
15. Source from which available :
16. Any other information :
17. Institution submitting information : Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1

( 7105 )

- |   |   |
|---|---|
| 1. Name of the test :   | Re-standardization of D.A.T. Space Relations Test (Psychological Corporation, U.S.A.) |
| 2. Author :   | Re-standardized by the Institute of Vocational Guidance, Govt. of Maharashtra         |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For pupils of class XI onwards  |
| 6. Number of sub-tests and items under each :   | 40 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes (50 minutes including directions)  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | Psychological Corporation, 522, Fifth Avenue, New York-18                             |
| 16. Any other information :   | Work on re-standardization of the test is still in experimental stage                 |
| 17. Institution submitting information :  | Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1                       |

( 7106 )

1. Name of the test : **Development of Norms for Revised Minnesota Paper Form Board Test (Series AA) by R. Likert and Wm. H. Quasha**
2. Author : **Development of norms by the Central Bureau of Educational and Vocational Guidance, Delhi**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Non-verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **The test can be used with high school and college students. CBEVG'S norms are for students of class XI in Delhi**
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized : **472 boys of class XI Science stream and 434 of Arts stream, of 18 higher secondary school of Delhi**
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and other supplementary material : **(i) Normalised standard score norms (ii) Percentile rank norms (iii) Percentile band norms for both Science and Arts groups**
14. Price : **Not yet fixed**
15. Source from which available : **Central Bureau of Educational and Vocational Guidance, Delhi**



## 16. Any other information :

The testing was done in 1960, the instructions being in Hindi. Information regarding the test may be seen under code No. 7103 in this handbook

## 17. Institution submitting information :

Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7

( 7201 )

Kannada

1. Name of the test : Construction and Standardization of an Inventory for Predicting Teacher-Efficiency ( for the Primary School Teachers of Mysore State )
2. Author : M.S. Jayamma
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Both
5. Age or age range for which meant : For teachers in service in the primary schools of the state
6. Number of sub-tests and items under each : There are 5 sub-tests. Sub-test 1 : 23 items ; 2 : 23 ; 3 : 20 ; 4 : 15 ; 5 : 19
7. Time required to administer each of the sub-tests and the test as a whole : 1 hour approximately
8. Whether any shock absorber or practice items included in the test : Not provided
9. Size of the sample on which standardized : 500 primary school teachers of Mysore State
10. Reliability coefficient and the method used for determination : By the test-retest method : .80 ; Split-half method : .86 ; Kuder-Richardson method : .95 ; Rulon method : .93 ; Flanagan method : .87
11. Validity coefficient and the criterion used : Concurrent validity : with terminal examination marks of pupil-teachers (latest available) .66 ; with supervisors' ratings .31 ; with children's evaluation of teachers .46 ; predictive validity with public examination marks .50
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Percentile norms for trained, untrained, trainees, teachers in govt. schools, non-govt. schools, experienced, and inexperienced teachers provided. T-Score and Z-Score equivalents of raw scores also available. Key available. Manual under preparation

- |  |  |
|--|--|
| 14. Price :                              | Not yet fixed  |
| 15. Source from which available :        | The author   |
| 16. Any other information :              | The thesis is proposed to be published   |
| 17. Institution submitting information : | M.G. Premalatha, Headmistress, Malleswaram Ladies' Association High School, Malleswaram, Bangalore-3 |

( 7202 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Librarianship Training Course Selection Battery</b>  |
| 2. Author :   | <b>S. Chatterji and Manjula Mukerjee</b>  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal</b>   |
| 4. Group or individual :  | <b>Group</b>  |
| 5. Age or age range for which meant :   | <b>Adults</b>   |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>3½ hours for the whole test</b>  |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>For some of the sub-tests practice items are given</b>   |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   | <b>Product-moment 'r' with examination marks, + .62</b>   |
| 12. Important studies in which the test may have been used and important findings thereof : | <b>'Selection of students of the Librarian-ship Training Course of the Bengal Library Association on the basis of objective tests', S. Chatterji and Manjula Mukerjee</b> |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | <b>Confidential, not available at present</b>   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | <b>Indian Statistical Institute, Calcutta</b>   |

( 7203 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>M. Stat. Student Selection Battery</b>   |
| 2. Author :   | D. Basu, S. Chatterji, Manjula Mukerjee   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | One of the sub-tests is non-verbal, the rest are verbal   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | (i) Mathematical knowledge and aptitude Part I : 50 items ; Part II : 30 items<br>(ii) Mathematical comprehension : 44 items (iii) Quantitative and verbal reasoning, graph and table reading 113 items |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 6 hours, 15 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items given in candidates' manual  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half  |
| 11. Validity coefficient and the criterion used :   | Product-moment correlation with average examinations marks, +.72  |
| 12. Important studies in which the test may have been used and important findings thereof : | (i) 'Selection of students for the M. Stat. degree course', by S. Chatterji and Manjula Mukerjee, (ii) 'Validity of selection on the basis of objectives test', by D. Basu and S. K. Mitra              |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | Confidential, not available at present  |
| 16. Any other information :   |   |
| 17. Institutions submitting information :   | Indian Statistical Institute, Calcutta  |

( 7204 )

1. Name of the test : **Construction and Standardization of an Aptitude Test for Secondary School Teachers**
2. Author : **M. M. Shah**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **For prospective secondary school teachers**
6. Number of sub-tests and items under each : **Sub-test 1 : 35 items ; 2 : 26 ; 3 : 9 ; 4 : 20 ; 5 : 30. Total sub-tests : 5. Total items : 120**
7. Time required to administer each of the sub-tests and the test as a whole : **About 100 minutes for the whole test**
8. Whether any shock absorber or practice items included in the test : **No**
9. Size of the sample on which standardized : **530**
10. Reliability coefficient and the method used for reliability determination : **Split-half reliability :  $.88 \pm .01$  ; by Hoyt's method :  $.80$  ; by Kuder-Richardson method :  $.80$**
11. Validity coefficient and the criterion used : **Against university B. Ed. examination total marks :  $.50 \pm .03$**
12. Important studies in which the test may have been used and important findings thereof : **To estimate prospective teachers aptitude for teaching**
13. Norms, key and any other supplementary material : **(i) Standard score norms ; (ii) T-score norms ; (iii) Percentile norms ; (iv) Percentile ranks**
14. Price : **This is an unpublished Doctoral thesis**
15. Source from which available : **Thesis available for reference at the Hansa Mehta Library and at the Faculty of Education and Psychology, M. S. University, Baroda**



16. Any other information :

The multiple regression equation (prediction equation) is as follows :  $X_c = 0.32x_2 + 0.51x_1 + 0.29x_4 + 0.16x_5 + 32.11$

17. Institution submitting information :

Faculty of Education and Psychology,  
M. S. University, Baroda

( 7205 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Teaching Aptitude Test</b>  |
| 2. Author :   | Jai Prakash and R. P. Srivastav  |
| 3. Name of the test (verbal, non-verbal, performance, etc.) :                               | Verbal   |
| 4. Group or individual :  | Individual   |
| 5. Age or age range for which meant :   | For pupil teachers   |
| 6. Number of sub-tests and items under each :   | 10   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | 800  |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half by Gutman formula : .891; by Spearman-Brown formula : .91; Test-retest : .94                                  |
| 11. Validity coefficient and the criterion used :   | Predictive validity .50 against marks in theory and teaching practice; also validated by observation of work and records |
| 12. Important studies in which the test may have been used and important findings thereof : | To study the correlation of different factors in teaching aptitude   |
| 13. Norms, key and any other supplementary material :                                       | Key, norms, etc. supplied with the manual  |
| 14. Price :   |  |
| 15. Source from which available :   | The authors  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Dr. Jai Prakash, University of Saugar, Sagar   |

( 7301 )

English

1. Name of the test :

2. Author :

3. Nature of the test (verbal, non-verbal, performance, etc.) :

4. Group or individual :

5. Age or age range for which meant :

6. Number of sub-tests and items under each :

7. Time required to administer each of the sub-tests and the test as a whole :

a) Vr : (10) plus 30  
 Na : ( 5) plus 30  
 Ar : (10) plus 25  
 Sr : (10) plus 30  
 Mr : ( 5) plus 30  
 LSp : ( 3) plus 10  
 Lst : ( 5) plus 25  
 Csa : ( 3) plus 3 plus 3

b) Ns : (5) plus 18  
 Mf : (5) plus 25

c) Op : (—) plus —  
 Co : (—) plus —  
 Wn : (—) plus —  
 Vs : ( 2) plus  $\frac{1}{2}$   
 plus 3  
 Re : ( 5) plus 15

**Vocational Counselling Tests Battery**

Compiled and adapted by the Bureau of Vocational and Educational Counselling, Calcutta

The battery consists of 4 verbal sub-tests, 2 numerical, 4 spatial. Ten of the sub-tests are paper and pencil, one is performance

Suitable for group testing

Ages 14 and above. The battery is used in classes X and XI

(a) 8 sub-tests adapted from the differential Aptitude Tests Battery : (i) Verbal Reasoning (VR) : 50 items; (ii) Numerical Ability (NA) : 40; (iii) Abstract Reasoning (AR) : 50; (iv) Space Relations (SR) : 40; (v) Mechanical Reasoning (MR) : 68; (vi) Language Usage Spelling (LSP) : 100; (vii) Language Usage Sentences (LSt) : 50; (viii) Clerical Speed and Accuracy (CSA) : 100. (b) 2 sub-tests to the D. A. T. Battery : (i) Number Series (NS) : 21 items; (ii) Minnesota Paper Form Board (MF) : 64 (c) The following 5 sub-tests will be added shortly : (i) Organization, planning (OP); (ii) Number computation (Co); (iii) Memory for words and/or numbers (WN); (iv) Visual memory (Vs) : 9 items; (v) "Remsa", paper-folding, an accuracy and finger dexterity test (Re)

The timings given below refer to approximate instructions time (in brackets) and test time separately :

The whole battery of tests takes 2 mornings of about 3 hours each

8. Whether any shock absorber or practice items included in the test :  
To begin with, a general orientation to the testing procedure and its purpose is given for about 15 minutes. Practice items are then given and explained before each test. The Language Usage Spelling Test of the D. A. T. is taken first, as it is easy to follow its procedure
9. Size of the sample on which standardized :  
Partial standardization based of 800 cases. Age, class and sex norms available
10. Reliability coefficient and the method used for reliability determination :  
Not calculated
11. Validity coefficient and the criterion used :  
Subject grades and total grades obtained by pupils in public Senior Cambridge examination have been correlated with stanines obtained on relevant sub-tests of the Battery
12. Important studies in which the test may have been used and important findings thereof :  
Has been used for vocational counselling. Prediction linked with classification according to 'types of work' and corresponding vocational groups of the National Classification of Occupations, India
13. Norms, key and any other supplementary material :  
Norms available to professional users. Manual as printed by Psychological Corporation for DAT. For other tests, skeleton instructions available for private use
14. Price :  
Tests not on sale
15. Source from which available :
16. Any other information :  
The Vocational Counselling Battery consists of a slightly adapted version of the entire D. A. T. battery plus a few other tests. The non-verbal sub-tests of the D. A. T. have not have been modified at all. The bulk of the V C Battery has been used since 1956 and there have been improvements in the Vocational Counselling procedure year after year. Some 1415 pupils have so far been tested and connseled. The tests form an integral

part of our Vocational Counselling procedure which includes many other features

17. Institution submitting information :

Bureau of Vocational and Educational Counselling, 76, Park Street, Calcutta-17

( 7302 )

English

1. Name of the test : **Adaptation of Swedish Work Performance Tests Battery**
2. Author : **Adapted by M. Ruthquist (Sweden)**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **The battery consists of 5 paper and pencil and 15 work performance tests**
4. Group or individual : **Suitable for individual testing. Small groups of 3 or 4 per psychologist can be tested**
5. Age or age range for which meant : **Age 14 and above. The battery is used to supplement the paper and pencil tests in classes IX, X and XI**
6. Number of sub-tests and items under each : **20 sub-tests. (a) Paper and pencil : 6 items : Corner cutting (spatial) : 9 ; Vase (from perception) : 4 ; Reproduction (visual memory) : 9 ; Decoration (artistic) : 5 (b) Work performance : Wooden tray ; Wire-bending ; Plasticine-forming ; 'Free' wire ; 'Free' plasticine ; Systematic arrangement of blocks ; Pulley ; Pump ; Mechanism Spare board ; Pyramid ; Cross-rods ; Card-board ; Sorting ; Finger dexterity**
7. Time required to administer each of the sub-tests and the test as a whole : **The timings given below refer to test timings only. Corner cutting : 18 minutes ; Recognition : 3 ; Vase : 12 ; Reproduction : 9 ; Descoration : no time limit ; Wooden tray : 25 ; Wire bending : 20 ; Plasticine-forming, 20 ; 'Free' wire : 20 ; 'Free' plasticine : 15 ; Systematic arrangement of blocks : 15 ; Pulley : 20 ; Pump : 20 ; Mechanism : 10 ; Spare board : 16 ; Pyramid : 12 ; Cross-rods : 15 ; Card-board : 5 ; Sorting : 5 ; Finger dexterity : 5. The whole battery takes about 2 days of about 5 hours each**
8. Whether any shock absorber or practice items included in the test : **For the work performance tests there are no practice problems. Only thorough instructions given**



- |   |  |
|---|--|
| 9. Size of the sample on which standardized :   | Partial standardization based on many hundred cases in Sweden. General norms only  |
| 10. Reliability coefficient and the method used for reliability determination :             | Not calculated   |
| 11. Validity coefficient and the criterion used :   | Study made on the result of the vocational counselling, based on these tests (also with paper and pencil tests), compared with satisfaction in vocation chosen. Results were satisfactory  |
| 12. Important studies in which the test may have been used and important findings thereof : | Used for complementary testing, particularly to assess specific field of mechanical ability, <i>e.g.</i> whether in planning, drawing, moulding, precision-work, etc. Battery gives excellent opportunity for psychologists observation of counsellee's behaviour and method of work |
| 13. Norms, key and any other supplementary material :                                       | Norms and manual available for Bureau's use only   |
| 14. Price :   | Tests not on sale  |
| 15. Source from which available :   |  |
| 16. Any other information :   | This battery has been used by Miss M. Ruthquist for nearly 9 years, first in the Counselling department of a large correspondence school and then in her Guidance Bureau at Stockholm. The administration and interpretation of these tests require special training                 |
| 17. Institution submitting information :  | Bureau of Vocational and Educational Counselling, 76, Park Street, Calcutta-17   |

( 7303 )

English

1. Name of the test :

2. Author :

3. Nature of the test (verbal, non-verbal, performance, etc.) :

4. Group or Individual :

5. Age or age range for which meant :

6. Number of sub-tests and items under each :

### Educational Counselling Tests Battery

Bureau of Vocational and Educational counselling, Calcutta

The battery consists of 7 verbal sub-tests, 6 numerical, 4 spatial. All are of the paper and pencil type

Suitable for group testing

Ages 10 to 15. The battery is used for class VIII and/or IX

17 sub-tests as follows :

Vu : Verbal usage which involves appraisal of sentences for mistakes in grammar, punctuation, spelling and usage.  
(26 items)

Vr : Verbal reasoning, which is a 'work analogies' test. (20 items)

Vs : Verbal similarities which requires classification of words according to meaning. (20 items)

Vp : Verbal problems which requires verbal inferences or logic. (12 items)

Vm: Verbal memory or memory for words. (14 items)

CV: Checking of verbal facts or a routine speed and accuracy test involving the checking of a copy of a list of names.  
(50 items)

FI: Following instructions which requires accuracy in following directions in verbal, numerical and spatial fields.  
(9 items)

CN: Checking of numbers or a routine speed and accuracy test involving the checking of a copy of a list of numbers.  
(50 items)

Nr : Number reasoning, which is a number series completion test. (26 items)

Ns : Number similarities which requires classification of numbers. (14 items)

Np : Number problems which consists of arithmetical problems. (10 items)

Nm: Number memory or memory for numbers. (14 items)

Nc : Number computation which involves 'mechanical' arithmetic. (14 items)

Sm : Spatial memory or accuracy of visual memory for form and shape. (12 items)

Ss : Spatial similarities or classification of spatial figures. (14 items)

Sr : Spatial or abstract reasoning which requires the completion of series of figures. (17 items)

Sp : Spatial problems, requiring three dimensional spatial visualization ability. (24 items)

7. Time required to administer each or the sub-tests and the test as a whole :

The timings given below refer to instructions, time (in brackets) and test time separately :

Vu : (8) plus 10	Nr: (5) Plus 10
Vr : (6) plus 5	Ns : (3) plus 8
Vs : (4) plus 6	Np : (5) plus 9
Vp : (5) plus 7	Nm: (3) plus 5
Vm: (3) plus 7	Nc : (6) plus 10
CV: (3) plus 6	Sm: (3) plus 3
FI : (8) plus 10	Ss : (2) plus 6
CN: (3) plus 5	Sr : (7) plus 7
	Sp: (10) plus 10

The whole battery of tests takes 2 mornings of about 2½ hours each. This includes an introductory talk for 30 minutes to orientate the pupils to the testing.

8. Whether any shock absorber or practice items included in the test :

A practice test consisting of about 3 items for each test in the first session is given to the pupil. Full explanations are given to explain difficulties if any. This also familiarizes the pupil with the actual procedure that is expected of him. In the later sessions every sub-test, except the memory test, is preceded by practice items which are explained fully before the test proper begins
9. Size of the sample on which standardized :

Preliminary partial standardization bases on 1000 cases
10. Reliability coefficient and the method used for reliability determination :

Not calculated
11. Validity coefficient and the criterion used :

Not yet calculated. Data being collected by follow-up to correlate success in course with our indication for that course. Internal correlations have been calculated to eliminate superfluous sub-test. Data available for correlations between indications for each course from school marks and test-scores

  - (i) Has been used as one criterion for predicting suitability for multipurpose courses of study after class VIII. Preliminary informal follow-up seems to indicate fairly good accuracy of prediction.
  - (ii) A study of number of items done right (R), wrong (W), or left blank (B) for each test has been made and norms evolved for judgment of three qualities, viz. speed of working test, carefulness as obtained from the proportion of R:W, and carelessness as obtained from W:R. The results obtained are being correlated with teachers' ratings and pupils' self-ratings
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :

Grade norms and skeleton manual available for private and professional use

14. Price :

Test not on sale

15. Source from which available :

16. Any other information :

Most of the sub-tests have been completely modelled on and adapted from existing foreign and local test to suit English-medium schools in India. The work on these tests was started in 1959, tentatively finalized in 1961 after which some 750 pupils from Anglo-Indian schools of West Bengal were tested and counselled. A further revision has been effected on the basis of these studies in 1962. The test form an integral part of our educational counselling procedure which also includes other features

17. Institution submitting information :

Bureau of Vocational and Educational Counselling, 76, Park Street, Calcutta-17

( 7304 )

Hindi and Marathi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Predictive Battery of Differential Scholastic Aptitude</b>   |
| 2. Author :   | M. Verma  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                 | Verbal  |
| 4. Individual or group :  | Group   |
| 5. Age or age range for which meant :   | Primarily it is meant for pupils who have completed class IX i.e. the delta stage in old Madhya Pradesh. The average age of the group was 15 plus   |
| 6. Number of sub-tests and items under each :                                   | Numerical test : 64 items ; Verbal : 70 ; Inductive Reasoning : 50 ; Deductive Reasoning : 50 ; Spatial : 75 ; Preceptual Speed : 59 ; Finger Dexterity : ; Rote Memory : 21. Total sub-tests 8 ; total items 380   |
| 7. Time required to administer each of the sub-tests and the test as a whole :  | Numerical test : 12 minutes ; Verbal : 20 ; Inductive Reasoning ; 40 ; Deductive Reasoning : 12 ; Spatial : 40 ; Perceptual Speed : 6 ; Finger Dexterity : $2\frac{1}{2}$ ; Rote Memory : 9   |
| 8. Whether any shock absorber or practice items included in the test :          | Yes   |
| 9. Size of the sample on which standardized :                                   | 776   |
| 10. Reliability coefficient and the method used for reliability determination : | Numerical test : .73 by Test-retest method ; Verbal : .70 by Kuder-Richardson method ; Inductive Reasoning : .93 by Kuder-Richardson method ; Deductive Reasoning : .60 by Kuder-Richardson method ; Spatial : .79 by Alternate form ; Perceptual Speed : .75 by Kuder-Richardson ; Finger Dexterity : .81 by test-retest method ; Rote Memory ; .87 by Kuder-Richardson method |



11. Validity coefficient and the criterion used :

School marks of class IX for Marathi, geography, science. and mathematics were used as criteria. Validity coefficients of sub-batteries of the following tests are as under :

Predicted criterion marks	Tests in sub-battery	Corrected validity coefficient
Langauage (Marathi)	1, 2, 4	.56
Geography	1, 2, 7	.47
Science	1, 2, 3, 7	.45
Mathematics	1, 2, 3, 8	.66

12. Important studies in which the test may have been used and important findings thereof :

13. Norms, key and any other supplementary material :

Report of the battery can be had from the Principal, University Training College, Nagpur. Norms are reported for three different groups, viz. proper Nagpur population of 776, urban population of 516 and urban population of 360 from vocational schools

14. Price :

15. Source from which available :

Principal, University Training College, Nagpur

16. Any other information :

17. Institution submitting information :

University Training College, Nagpur

## **INTEREST AND VALUE TESTS**



( 8101 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>P. S. M. Interest Inventory</b>  |
| 2. Author :   | Vocational Guidance Bureau, Prantiya<br>Shikshan Mahavidyalaya, Jabalpur  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which meant :   | 13 to 18 years  |
| 6. Number of sub-tests and items under each :   | Sub-test : Occupations 70 items ; school subjects 30 ; leisure time activities : 60 ; educational films 25 ; things like to own : 25 ; books like to read : 35. Total sub-tests : 6 and total items : 245 |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 to 45 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized .   | 743   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability corrected by Spearman-Brown formula, for Science '83 ; for Agriculture '86 ; for Technical '67   |
| 11. Validity coefficient and the criterion used :   | Validation study to be taken up   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Scales for science, agriculture and technical groups developed  |
| 14. Price :   | Not decided   |
| 15. Source from which available :   | Vocational Guidance Bureau, Prantiya<br>Shikshan Mahavidyalaya, Jabalpur  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Prantiya Shikshan Mahavidyalaya,<br>Jabalpur  |

( 8102 )

Oriya

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Curricular Interest Inventory</b>   |
| 2. Author :   | R.C. Das and K.B. Amanta   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 13 to 16 years   |
| 6. Number of sub-tests and items under each :   | No sub-tests. Total items 168  |
| 7. Time required to administer each of the sub-tests and the tests as a whole :             | 1 hour for the whole test  |
| 8. Whether any shock absorber or practice items included in the test :                      | Two examples are given in the beginning  |
| 9. Size of the sample on which standardized :   | 200 High school students of Cuttack town. It is being administered to a larger number of students for better standardization |
| 10. Reliability coefficient and the method used for reliability determination :             | .80 to .88 for the different areas of interest, calculated by the split-half method  |
| 11. Validity coefficient and the criterion used :   | .50 to .64 with pupils' own estimates of interest in the different curricular subjects on a five point scale                 |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Norms for Cuttack city available   |
| 14. Price :   | Not priced   |
| 15. Source from which available :   | State Bureau of Educational and Vocational Guidance, Orissa, Cuttack   |
| 16. Any other information :   | Nil  |
| 17. Institution submitting information:   | R.N. Training College, Cuttack   |

( 8103 )

**Hindi**

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Vocational Preference Record</b>                                  |
| 2. Author :   | Manovigyan Shala, U.P.   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For students of classes X and XII                                    |
| 6. Number of sub-tests and items under each :   | Ten scales   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price   | Unpriced   |
| 15. Source from which available :   | Manovigyan Shala, U. P.  |
| 16. Any other information :   | It was first prepared in 1956. A revised draft is now being prepared |
| 17. Institution submitting information :  | Manovigyan Shala, U.P. Allahabad                                     |



( 8104 )

English

- |  |  |
|--|--|
| 1. Name of the test :  | Interest Record : Part one—Occupational;<br>Part two—Avocational   |
| 2. Author :  | S.B.L. Bharadwaj   |
| 3. Nature of the test (vebral, non-vebral, performance, etc. ) :               | Vebral   |
| 4. Group or individual :   | Group  |
| 5. Age or age range for which meant :  | For graduates  |
| 6. Number of sub-tests and items under each :                                  | Two scales (i) Occupational (ii) Avocational. Each part contains 140 items (20 items for each of the seven categories arranged in 25 tetrads. Seven categories are those reported by Guilford <i>et al.</i> (1954) namely, Aesthetic, Scientific, Social, Clerical, Outdoor, Mechanical and Business |
| 7. Time required to administer each of the sub-tests and the test as a whole : | No time limit. The two parts of the Interest Record are to be administered saperately as self-complete units (with an interval of at least 1 hour). Usually each part requires about 30 minutes  |
| 8. Whether any shock absorber or practice items included in the test :         | The Interest Record calls for no 'shock-absorber' items as such, but detailed general and preliminary-to-test instructions along with an illustration of the manner of responding to the test, serve the purpose adequately, in both parts of the Record   |
| 9. Size of the sample on which standardized :                                  | Both parts were standardized, separtely for the two sexes, on the same samples (men : 400 ; women : 200), drawn randomly, on a quota-control basis from 13 teacher training institutions located in central, eastern and western districts of Uttar Pradesh  |

10. Reliability coefficient and the method used for reliability determination :

Coefficients of internal consistency by the Split-half method with Spearman-Brown correction have been determined separately for each vocational interest category, separately for the two sexes on each of the two parts of the Interest Record. Composite reliability coefficients have been estimated, using Mosier's formula (1943) for reliability of a weighted composite (here, equally weighted) separately for the two sexes on each category of vocational interest. These coefficients are tabled below :

Interest Category	Men			Women		
	Part One	Part Two	Compo- site	Part One	Part Two	Compo- site
A. Aesthetic	.93	.91	.94	.84	.87	.92
B. Scientific	.87	.93	.92	.82	.78	.87
C. Social	.80	.84	.86	.83	.90	.92
D. Clerical	.91	.77	.88	.86	.84	.91
E. Outdoor	.78	.78	.86	.75	.79	.85
F. Mechanical	.95	.89	.94	.83	.74	.86
G. Business	.91	.91	.93	.91	.81	.93

11. Validity coefficient and the criterion used :

Only 'content' and 'construct' validities have been established, the former on a logical and referential basis and the latter on the basis of experimental work undertaken by the author, using both scales of the Interest Record. Detailed evidence incorporated in the unpublished Ph.D. thesis of the author

12. Important studies in which the test may have been used and important findings thereof :

The two scales were employed in the study entitled : 'Vocational Interest Patterns of Prospective Teachers of Higher Secondary Schools in Uttar Pradesh'. Several significant findings have emerged from this study. Some of these are : (i) The probability of normal distribution of vocational interests in

the general, educated, adult population ; (ii) the emergence of 'technological', 'cultural' and 'commercial' families (clusters) of vocational interests, in the sample studied ; (iii) heirarchical perception of vocational interest categories among men and women ; (iv) characteristic group differences in vocational interests of prospective teachers, prospective veterinary graduates ; (v) characteristic differences in vocational interests of prospective teachers subgroups, having different academic backgrounds (commerce teachers, liberal arts teachers, science teachers) (vi) culturally significant sex differences among prospective teachers, with the phenomenon of over-all communality of vocational interests of men and women, belonging to the same pre-vocational or academic group ; (vii) aesthetic avocational interests among women and outdoor avocational interests among men emerging as central principles of femininity and masculinity, respectively, in the domain of vocational interests ; (viii) generic similarity with specific differentiation between occupational and avocational components of vocational interests ; (ix) relatively lower differentiation among women in terms of vocational interests in comparison with their male counterparts ; (x) relative stability of vocational interests, after a certain stage of personal development, despite occupational experience, training, or success

13. Norms, key and any other supplementary material :

Percentile norms are available for each category of each of the two parts of the Interest Record, separately for the two sexes of prospective teachers. Keys are not required but

window stencils are applied to the answer-sheet of either part of the record to obtain separate scores for each interest category. Additive scores are obtained for a category by converting rank-orders into rank values. Instructions for administration and scoring, as well as norms are available from the author, on request. Norms for samples, other than prospective teachers, have not yet been prepared. Normative data were obtained for prospective teachers of higher secondary schools in Uttar Pradesh (men, women) in the academic year 1956-57

Standard Errors of Measurement for the two parts of the Interest Record are tabled below :

Interest Category	Interest Record : Part One		Interest Record : Part Two	
	Men	Women	Men	Women
A. Aesthetic	4	4	5	3
B. Scientific	5	4	3	4
C. Social	4	3	5	3
D. Clerical	3	3	6	3
E. Outdoor	6	4	6	3
F. Mechanical	3	4	5	4
G. Business	5	3	3	3

14. Price :

The test is not available on a commercial scale. However, bonafide investigators and institutions can arrange with the author to obtain limited number of copies of the test along with corresponding number of answer sheets

15. Source from which available :

Dr. S.B.L. Bharadwaj, Directorate of Psychological Research, Ministry of Defence, New Delhi

16. Any other information : Both scales are standardized separately for men and women, prospective higher secondary school teachers in U.P. Further particulars available from the author
17. Institution submitting information : Department of Psychology ; University of Gorakhpur, Gorakhpur

( 8105 )

Marathi

1. Name of the test : Reading Interests of Marathi Speaking Boys and Girls at the Secondary School Stage
2. Author : Manohar Priyamvada
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : 10 to 16 years
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available :
16. Any other information :
17. Institution submitting information : Indian Institute of Education, Chembur, Bombay 71



( 8106 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Interest Pattern of High School Boys</b>                     |
| 2. Author :   | Chandra Kanta Verma   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal, checklist   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For high school boys of classes IX and X                        |
| 6. Number of sub-tests and items under each :   | 38 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 276   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Percentages of popularity of various activities reported        |
| 14. Price :   | Not for sale  |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Approved as M.Ed. project in 1959                               |
| 17. Institution submitting information :  | Teachers Training College, Banaras<br>Hindu University, Banaras |

( 8107 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Interest Patterns of Junior High School Boys                    |
| 2. Author :   | Bhishma Pratap Nigaon   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For boys of junior high school classes VI, VII, and VIII        |
| 6. Number of sub-tests and items under each :   | 82 items in six groups  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 409   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Percentages of popularity of various activities reported        |
| 14. Price :   | Nor for sale  |
| 15. Source from which available :   | Not published   |
| 16. Any other information :   | Approved as M.Ed. Project in 1958                               |
| 17. Institution submitting information :  | Teachers Training College, Banaras<br>Hindu University, Banaras |

(8108)

Hindi

1. Name of the test : Interest Patterns of Adolescent Girls
2. Author : Ravindra Nair
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal, checklist
4. Group or individual : Group
5. Age or age range for which meant : 12 to 13 years
6. Number of sub-tests and items under each : Four sub-groups with 47, 25, 10 and 36 items respectively
7. Time required to administer each of the sub-tests and the test as a whole : No time limit
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : 395
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Percentages for various answers have been reported
14. Price : Not for sale
15. Source from which available : Not published
16. Any other information : Approved as M. Ed. project in 1954
17. Institution submitting information : Teachers Training College, Banaras  
Hindu University, Banaras

( 8109 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Adaptation of Kuder Preference Record</b>                                  |
| 2. Author :   | Adaptation by the Bureau of Educational and Vocational Guidance, Bihar, Patna |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which meant :   | 16 years and onwards  |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | In the process of standardization   |
| 10. Reliability coefficient and the method used for the reliability determination :         | Under study   |
| 11. Validity coefficient and the criterion used :   | Under study   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Key, manual of direction and scoring-sheet available                          |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | Bureau of Educational and Vocational Guidance, Bihar, Patna                   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Bureau of Educational and Vocational Guidance, Bihar, Patna-3                 |

( 8110 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Interest Inventory</b>   |
| 2. Author :   | J. Mascarenhas  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 14 to 18 years (boys and girls)   |
| 6. Number of sub-tests and items under each :   | 150 items to measure interest in Medicine, Engineering, Commerce, Arts and Fine Art   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | On an average 30—35 minutes. Maximum time 40 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Nil   |
| 9. Size of the sample on which standardized :   | 700 boys and girls of S.S.C. class of English medium schools in Bombay  |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest reliabilities for the 5 fields are Medicine .890 ; Engineering .899 ; Commerce .808 ; Arts .871 ; Fine Arts .867  |
| 11. Validity coefficient and the criterion used :   | Validities have been calculated in terms of percentage agreement between inventory scores and external criteria : preferences for the five fields of occupation of those admired, father's occupation, parents' choice of career, subject liked, hobbies and activities of students |
| 12. Important studies in which the test may have been used and important findings thereof : | Translated into Gujarati by Miss Indra Rao, Isis Villa, Fateh Gunj, Baroda, for Ph.D. work at Baroda University in 1956   |
| 13. Norms, key and any other supplementary material :                                       | Percentile norms for the 5 fields   |
| 14. Price :   | Not priced, but copies available from the author  |

15. Source from which available : Miss J. Mascarenhas, St. Xavier's Institute of Education, 15 New Marine Lines, Bombay-1
16. Any other information : Adapted and translated into Marathi by Mr. Deoghare
17. Institution submitting information : Institute of Vocational Guidance, 3, Cruickshank Road, Bombay-1



( 8111 )

1. Name of the test :	Chatterji's Non-Language Preference Record
2. Author :	S. Chatterji
3. Nature of the test (verbal, non-verbal, performance, etc.) :	Non-verbal
4. Group or individual :	Group
5. Age or age range for which meant :	For pupils of class VIII and upwards
6. Number of sub-tests and items under each :	Ten
7. Time required to administer each of the sub-tests and the test as a whole :	45 minutes to 1 hour
8. Whether any shock absorber or practice items included in the test :	Yes
9. Size of the sample on which standardized :	800 for developing scoring keys 900 for norms
10. Reliability coefficient and the method used for reliability determination :	
11. Validity coefficient and the criterion used :	Correlation of C. P. R. scores (weighted) and average college examination marks $\pm .46$ ; with K. P. R. Mechanical $+.73$ ; Scientific $+.36$ ; Musical $+.32$
12. Important studies in which the test may have been used and important findings thereof :	Reported in the manual
13. Norms, key and any other supplementary material :	Reported in the manual
14. Price :	
15. Source from which available :	Dr. S. Chatterji, PRSU, Indian Statistical Institute, 203 B. T. Road, Calcutta-32
16. Any other information :	
17. Institution submitting information :	The author

( 8112 )

1. Name of the test : Development of Norms for Chatterji's Non-Language Preference Record
2. Author : Development of norms by the Central Bureau of Educational and Vocational Guidance, Delhi
3. Nature of the test (verbal, non-verbal, performance, etc.) :
4. Group or individual :
5. Age or age range for which meant :
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized : 669 boys of Class XI of 13 higher secondary school in Delhi, tested in 1963
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : (i) Standard score norms (ii) Stanine norms (iii) Percentile rank norms (iv) Percentile band norms
14. Price :
15. Source from which available : Norms available from Central Bureau of Educational and Vocational Guidance
16. Any other information : Information regarding this inventory may be seen under Code No. 8111 in this handbook

17. Institution submitting information :

Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7

( 8113 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Vyavasayik Ruchi Ki Janch  |
| 2. Author :   | V. G. Jhingran   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | A verbal interest inventory  |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   |  |
| 6. Number of sub-tests and items under each :   | 8 Sub-tests, Sub-test 1 : 100 ; 2 : 36 ; 3 : 54 ; 4 : 43 ; 5 : 51 ; 6 : 40 ; 7 : 36 ; 8 : 36   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour approximately   |
| 8. Whether any shock absorber or practice items included in the test :                      | Not applicable   |
| 9. Size of the sample on which standardized :   | 811 adults in 14 occupations   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliabilities for fourteen scales range from .586 to .951   |
| 11. Validity coefficient and the criterion used :   | 73 graduates of Agra University were administered the inventory in 1957. Ten months later 83% had selected the occupation in which they scored highest or second highest |
| 12. Important studies in which the test may have been used and important findings thereof : | It is being used in two researches. Findings not yet available   |
| 13. Norms, key and any other supplementary material :                                       | Manual available   |
| 14. Price :   | Specimen free to researchers   |
| 15. Source from which available :   | Central Bureau of Educational and Vocational Guidance  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7                |

( 8201 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>A Scale of Values in Hindi</b>   |
| 2. Author :   | R.P. Bhatnagar  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For college students and adults   |
| 6. Number of sub-tests and items under each :   | Six scales, 20 items in each  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 284   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliabilities : (i) Theoretical .71 (ii) Economic .718 (iii) Aesthetic .64 (iv) Social .60 (v) Political .76 and (vi) Religion .65 |
| 11. Validity coefficient and the criterion used :   | The test has been found discriminating between graduate students of science, arts and commerce. Construct validities have not been evaluated  |
| 12. Important studies in which the test may have been used and important findings thereof : | 'A Differential Study of Values of Male Graduate Students' by Miss P. Bhatnagar, K.G.K. College, Moradabad, U.P.                              |
| 13. Norms, key and any other supplementary material :                                       | Available in stanine grades for the city of Moradabad only  |
| 14. Price :   | Not priced. Available on request only for research purpose  |
| 15. Source from which available :   | R.P. Bhatnagar, Regional College of Education, Ajmer  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | The author  |

( 8202 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Vyavasaya Ruchi Ki Anusoochi</b>   |
| 2. Author :   | Central Bureau of Educational and Vocational Guidance, Delhi  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal (work values inventory)  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 11 to 16 years  |
| 6. Number of sub-tests and items under each :   | 129 items grouped in 43 trials ; no sub-tests   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 25 to 35 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | Not standardized ; try-out on 150 students  |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest reliability data has been collected but the coefficient has yet to be determined  |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | Studies of academically gifted boys ; work in progress  |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | Central Bureau of Educational and Vocational Guidance   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7 |





## **PERSONALITY TESTS**



( 9101 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Adaptation of the World Test</b>                                 |
| 2. Author :   | Adaptation by Manovigyan Shala,<br>U. P., Allahabad                 |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Projective  |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   | Upto 10 years   |
| 6. Number of sub-tests and items under each :   | 150 toy-objects with which children come into contact in daily life |
| 7. Time required to administer each of the sub-tests and the test as a whole :              |   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Record form and instructions for administration have been developed |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   | It is being used to assess the social area of child's personality   |
| 17. Institution submitting information :  | Manovigyan Shala, U. P., Allahabad                                  |

( 9102 )

1. Name of the test : **Indian Adaptation of Rosenzweig's Picture Frustration Study for Children**
2. Author : **Udai Pareek**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Projective; the child has to give responses to the cartoon-like pictures depicting frustrating situations**
4. Group or individual : **Both**
5. Age or age range for which meant : **5 to 12 years**
6. Number of sub-tests and items under each : **24 pictures**
7. Time required to administer each of the sub-tests and the test as a whole : **No time limit, but usually takes about 20 minutes**
8. Whether any shock absorber or practice items included in the test : **No**
9. Size of the sample on which standardized : **About 1000 children**
10. Reliability coefficient and the method used for reliability determination : **Scoring reliability : 98% (agreement); Stability coefficient .51 to .78; Consistency Values : 56 to 91**
11. Validity coefficient and the criterion used : **4 methods were used :  
 a. Comparison with teachers' ratings  
 b. Scores on delinquents compared with those of normal individuals  
 c. Scores before and after artificially induced frustrating situation  
 d. 'Regional' analysis of item homogeneity.  
 Highly significant correlations were found for different methods, and for different directions of aggression and categories**
12. Important studies in which the test may have been used and important findings thereof : **About 30 studies by the author and others. List available on request**

- |   |   |
|---|---|
| 13. Norms, key and any other supplementary material : | Manual, giving norms for different categories and other relevant data, and record blanks for scoring are available              |
| 14. Price :   | Examination blanks (in Hindi) in pkg. of 25 : Rs. 15.00. Record blanks in pkg. of 25 : Rs. 2.50. Manual (In English) : Rs. 8.00 |
| 15. Source from which available :                     | Manasayan, 32 Faiz Bazar, Delhi-6   |
| 16. Any other Information :                           |   |
| 17. Institution submitting information :              | Manasayan, 32 Faiz Bazar, Delhi-6   |



( 9103 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Verbal Projection Test (VPT)</b>  |
| 2. Author :   | T.E. Shanmugam   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Both   |
| 5. Age or age range for which meant :   | 12 to 18 years   |
| 6. Number of sub-tests and items under each :   | 20   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 3 sessions of 45 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | About 1000   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half and Parallel method   |
| 11. Validity coefficient and the criterion used :   | Comparable groups of delinquents and teachers 'and parents' estimates                          |
| 12. Important studies in which the test may have been used and important findings thereof : | In studies of emotional instability in adolescence, sex delinquency adolescent fantasies, etc. |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   | The author, for research, but not on commercial scale  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Department of Psychology, University of Madras   |

( 9104 )

Projective

1. Name of the test : Adaptation of Rorschach Ink-Blot Test of Personality
2. Author : Adapted by Manovigyan Shala, U.P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Projective-verbal response
4. Group or individual : Individual
5. Age or age range for which meant : For all ages
6. Number of sub-tests and items under each : 10 cards
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Record form, scoring list, tabulation sheet, psychogram and report form have been developed. Instructions for administration have been prepared in Hindi. A proforma has also been adapted for writing the report
14. Price :
15. Source from which available :

## 16. Any other information :

Rorschach Ink-Blot Test of Personality has been successfully adapted under Indian conditions and is being used in the Manovigyan Shala to assess the dynamics of the child's personality and also for the purposes of educational, vocational and personal guidance

## 17. Institution submitting information :

Manovigyan Shala, U.P., Allahabad

## PERSONALITY TESTS

( 9105 )

1. Name of the test : Adaptation of Bellak's Children's Apperception Test
2. Author : Adaptation by Manovigyan Shala, U. P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Projective (responses are verbal)
4. Group or individual :
5. Age or age range for which meant : Upto 10 years
6. Number of sub-tests and items under each : 10 pictures
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Response Blank, Analysis Form, Report Form and Instructions for administration have been developed
14. Price :
15. Source from which available :
16. Any other information : It is being used to assess the dynamics of the child's personality and for purposes of educational guidance. It has been fully adapted under Indian conditions
17. Institution submitting information : Manovigyan Shala, U. P., Allahabad

( 9106 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Indian Adaptation of Bellak's Children's Apperception Test (C. A. T.)</b>                 |
| 2. Author :   | Adaptation by Uma Choudhury  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Projective-verbal response   |
| 4. Group or individual :  | Individual   |
| 5. Age or age range for which meant :   | 3 to 10 years  |
| 6. Number of sub-tests and items under each :   | 10 pictures  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit ; the child has to write stories about the pictures shown                      |
| 8. Whether any shock absorber or practice items included in the test :                      | Nil  |
| 9. Size of the sample on which standardized :   | Children of urban, rural and tribal areas  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : | Information about the adaptation is contained in a Supplementary Manual by the Indian author |
| 13. Norms, key and any other supplementary material :                                       | Set of 10 cards  |
| 14. Price :   | Rs. 38.00 for the set of cards (Record blanks extra)   |
| 15. Source from which available :   | Manasayan, 32 Faiz Bazar, Delhi-6  |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Manasayan, 32 Faiz Bazar, Delhi-6  |

( 9107 )

1. Name of the test : Adaptation of Murray's Thematic Apperception Test
2. Author : Adapted by Manovigyan Shala, U.P.
3. Nature of the test (verbal, non-verbal, performance, etc.) : Projective
4. Group or individual : Individual
5. Age or age range for which meant : 10 years and onward
6. Number of sub-tests and items under each : All the pictures of T.A.T. have been adapted by Manovigyan Shala for use under Indian conditions, but only 14 pictures are being used in which 7 are common for both the sexes, 3 are exclusively for males and 4 for females
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : A proforma for interpretation has been developed and instructions for administration are available in Hindi. Manual containing the details of the test and interpretation is in the press. Proforma has also been adapted for writing the report
14. Price : Unpriced
15. Source from which available : Manovigyan Shala, U.P.



- |  |  |
|--|--|
| 16. Any other information :              | It is being used to assess the dynamics of human personality and for educational, vocational and personal guidance |
| 17. Institution submitting information : | Manovigyan Shala, U.P., Allahabad  |

( 9108 )

- |   |   |
|---|---|
| 1. Name of the test :   | Evaluation of Personality Traits through T.A.T Pictures                                 |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Projective  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 10 pictures   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 1 hour ( 5 minutes for each picture)  |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   | Administered to 138 adult subjects  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   | .17 to .69 (with trait ratings) .06 to .75 (with general suitability rating)            |
| 12. Important studies in which the test may have been used and important findings thereof : | Used in the development of an Aptitude Test Battery for a particular profession         |
| 13. Norms, key and any other supplementary material :                                       | Key and other materials available   |
| 14. Price :   | Not fixed   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College           |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19  |

( 9109 )

1. Name of the test : **Thematic Apperception Test II**
2. Author : Psychological Research Wing, Ministry of Defence, New Delhi
3. Nature of the test (verbal, non-verbal, performance, etc.) : Projective
4. Group or individual : Group
5. Age or age range for which meant : Adults (15 years and above)
6. Number of sub-tests and items under each : Ten pictures
7. Time required to administer each of the sub-tests and the test as a whole : 1 hour
8. Whether any shock absorber or practice items included in the test : Illustration picture
9. Size of the sample on which standardized : Initially 50, later applied to thousands
10. Reliability coefficient and the method used for reliability determination : With assessment of two psychologists  $r$  ranges from .82 to .96 on different variables ; intercorrelations between variables range from .60 to .94
11. Validity coefficient and the criterion used : (i) Significant difference (1%) between the select and the reject group ; (ii) cases 50 ;  $r$  with group tests : .43,  $r$  with interview data : .62 ; (iii)  $r$  with public school teachers' ratings .29 which is significant at 5% level
12. Important studies in which the test may have been used and important findings thereof : Selection of officers and other personality studies
13. Norms, key and any other supplementary material : Classified test
14. Price : Classified—not for sale
15. Source from which available :
16. Any other information :
17. Institution submitting information : Psychological Research Wing, Ministry of Defence, New Delhi

( 9110 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Thematic Apperception Test III</b>   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Projective  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | Twelve pictures   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | Illustration picture  |
| 9. Size of the sample on which standardized :   | Initially 50  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   | r with National Defence Academy Instructors' assessment .30 which is significant at 5% level for one factor. The rest of the correlations are not significant |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi   |

( 9111 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Word Association Test (W.A.T)</b>  |
| 2. Author :   | Manovigyan Shala, U.P.  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Projective, Verbal  |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   | For all age   |
| 6. Number of sub-tests and items under each :   | 55 words  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | Instructions for administration are available   |
| 14. Price :   | Not priced  |
| 15. Source from which available :   | Manovigyan Shala, U.P.  |
| 16. Any other information :   | The Manovigyan Shala prepared a list of 55 words for diagnostic purposes in 1954. It is in the process of standardization. W.A.T. is being used to assess the dynamics of child's personality |
| 17. Institution submitting information :  | Manovigyan Shala, U.P., Allahabad   |

( 9112 )

- |   |   |
|---|---|
| 1. Name of the test :   | Word Association Test V   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Projective, verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 75 words  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | $\frac{1}{2}$ hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | Illustrations   |
| 9. Size of the sample on which standardized :   | Initially one hundred   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   | (i) With psychological test battery .75 ;<br>(ii) with Selection Board's assessment .65 ; (iii) significant differences between select and reject groups (1%) |
| 12. Important studies in which the test may have been used and important findings thereof : | Selection   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Classified-not for sale   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi   |



( 9113 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Word Association Test VI</b>   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence, New Delhi                         |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Projective, verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | $\frac{1}{2}$ hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | Illustrations   |
| 9. Size of the sample on which standardized :   | One hundred initially   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   | Validity has been worked out as a part of the battery and not as an individual test |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | A 'confidential' test, not for sale   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi                         |

( 9114 )

Gujarati

1. Name of the test : Word Association Test, 461
2. Author : S.K. Mitra in collaboration with M.M. Trivedi, Saroj Parekh, Leela Pustake, Sudha Parekh, and Sybil David
3. Nature of the test (vebral, non-vebral, performance, etc.) : Projective, Verbal
4. Group or individual : Individual
5. Age or age range for which meant : Adults
6. Number of sub-tests and items under each : 75
7. Time required to administer each of the sub-tests and the test as a whole : 1 to 1½ hour
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : Not yet standardized :
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price : Not yet printed
15. Source from which available : B.M. Institute
16. Any other information : The test is being tried out on clinic samples
17. Institution submitting information : B. M. Institute, Ashram Road, Ahmedabad-9

( 9115 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Children's Word Chain Association Test,<br>362    |
| 2. Author :   | S. K. Mitra, Sybil David, and Lolla<br>Girdharlal |
| 3. Nature of the test (verbal,<br>non-verbal, performance, etc.) :                                | Projective, Verbal                                |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which<br>meant :  | 8 to 15 years                                     |
| 6. Number of sub-tests and items<br>under each :  | 20  |
| 7. Time required to administer<br>each of the sub-tests and the<br>test as a whole :              | 30 to 40 minutes                                  |
| 8. Whether any shock absorber or<br>practice items included in the<br>test :                      | Yes   |
| 9. Size of the sample on which<br>standardized :  | Not standardized                                  |
| 10. Reliability coefficient and the<br>method used for reliability deter-<br>mination :           |   |
| 11. Validity coefficient and the cri-<br>terion used :  |   |
| 12. Important studies in which the<br>test may have been used and<br>important findings thereof : |   |
| 13. Norms, key and any other sup-<br>plementary material :  |   |
| 14. Price :   | Not yet fixed                                     |
| 15. Source from which available :   | B.M. Institute                                    |
| 16. Any other information :   | Studies on this test are in progress              |
| 17. Institution submitting informa-<br>tion :   | B. M. Institute, Ashram Road,<br>Ahmedabad-9      |

( 9116 )

Gujarati

- |   |  |
|---|--|
| 1. Name of the test :   | Children's Sentence Completion Test,<br>361A, 362B |
| 2. Author :   | S. K. Mitra, Sybil David and Lolla<br>Girdharlal   |
| 3. Nature of the test (verbal, non-<br>verbal, performance, etc.) :                               | Projective, Verbal                                 |
| 4. Group or individual :  | Both   |
| 5. Age or age range for which<br>meant :  | 8 to 15 years                                      |
| 6. Number of sub-tests and items<br>under each :  | 361 A : 40 ; 362 B : 37                            |
| 7. Time required to administer<br>each of the sub-tests and the<br>test as a whole :              | 20 minutes   |
| 8. Whether any shock absorber or<br>practice items included in the<br>test :                      | Yes  |
| 9. Size of the sample on which<br>standardized :  | Not standardized                                   |
| 10. Reliability coefficient and the<br>method used for reliability<br>determination :             |  |
| 11. Validity coefficient and the<br>criterion used :  |  |
| 12. Important studies in which the<br>test may have been used and<br>important findings thereof : |  |
| 13. Norms, key and any other sup-<br>plementary material :  |  |
| 14. Price :   | Not yet fixed                                      |
| 15. Source from which available :   | B. M. Institute                                    |
| 16. Any other information :   | Studies on the test are in progress                |
| 17. Institution submitting informa-<br>tion :   | B.M. Institute, Ashram Road,<br>Ahmedabad-9        |

( 9117 )

Gujarati

1. Name of the test : Sentence Completion Test, 161 AM, 161 AF, 661 AD. 3 Forms, Male, Female and Adult
2. Author : S. K. Mitra in collaboration with M. M. Trivedi, Saroj Parekh, Leela Pustake, Sudha Parekh, Sybil David
3. Nature of the test (verbal, non-verbal, performance, etc.) : Projective, Verbal
4. Group or individual : Both
5. Age or age range for which meant : 12 to 35 years
6. Number of sub-tests and items under each : 161 AM : 70 ; 161 AF : 70 ; 661 AD : 74
7. Time required to administer each of the sub-tests and the test as a whole : 45 minutes to 1 hour
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : Has not been standardized
10. Reliability coefficient and the method used for reliability determination : Not worked out
11. Validity coefficient and the criterion used : Not worked out
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Not available
14. Price : Not yet printed
15. Source from which available : B. M. Institute
16. Any other information : The three forms of the test are being tried out
17. Institution submitting information : B.M. Institute, Ashram Road, Ahmedabad-9

( 9118 )

Bengali

1. Name of the test : Story Completion Test
2. Author : Bureau of Educational and Psychological Research, David Hare Training College, Calcutta
3. Nature of the test (verbal, non-verbal, performance, etc.) : Projective, verbal
4. Group or individual : Group
5. Age or age range for which meant : 11 to 14 years (classes VI to VIII)
6. Number of sub-tests and items under each : (a) Family Relationship : 22 items (b) School Relationship : 16 items ; (c) Hetro-sexual Relationship : 3 items
7. Time required to administer each of the sub-tests and the test as a whole : No time limit
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : Administered on a group of 100 children (50 Adjusted, 50 Maladjusted)
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used : Validity coefficient with Roger's Test of Personality Adjustment as the criterion (N=100 pupils), .46
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material : Key available
14. Price : Not fixed
15. Source from which available : Bureau of Educational and Psychological Research, David Hare Training College
16. Any other information :
17. Institution submitting information : David Hare Training College, Catcutta-19



( 9119 )

- |   |   |
|---|---|
| 1. Name of the test :   | Adolescent Picture Fantasy Test                                   |
| 2. Author :   | Jai Prakash   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Projective  |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   | Adolescents   |
| 6. Number of sub-tests and items under each :   | 16 cards  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 1 hour 20 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   | 800   |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest method used   |
| 11. Validity coefficient and the criterion used :   | Validated against T.A.T. and Picture Story Test of P.M. Symonds   |
| 12. Important studies in which the test may have been used and important findings thereof : | To study personality deviations in school and college adolescents |
| 13. Norms, key and any other supplementary material :                                       | Supplied with the manual  |
| 14. Price :   |   |
| 15. Source from which available :   | The author  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Dr. Jai Prakash, University of Saugar, Sagar                      |

( 9120 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Vakya Poorti  |
| 2. Author :   | Central Bureau of Educational and Vocational Guidance, Delhi  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal, projective (sentence completions) test of personality   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | For high school students, but may also be used with college students  |
| 6. Number of sub-tests and items under each :   | 60 items, not grouped by sub-tests  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      | Not applicable  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | Studies of academically gifted boys : work in progress  |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | Central Bureau of Educational and Vocational Guidance   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7 |

( 9201 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Vyaktitva Parakh Prashnavali</b>  |
| 2. Author :   | M. S. L. Saxena  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | From 11 years to adulthood (school, college and university students)   |
| 6. Number of sub-tests and items under each :   | The Inventory has five separate measures of adjustment : Home, Health, Social, Emotional and School or College. 90 items in all  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit. Average time is 45 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      |  |
| 9. Size of the sample on which standardized :   | 2529 students of class IX to post-graduate level, both male and female   |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest reliability .87 with (N=122) ; Split-half reliability corrected by Spearman Brown formula .89 (N=256) ; by Rational Equivalence .90 (N=2529). Reliability for each sub-test by Rational Equivalence and Test-retest methods has also been worked out |
| 11. Validity coefficient and the criterion used :   | With Asthana's Adjustment Inventory .80 (N=150). Validity by using the criterion of teachers assessment has also been found  |
| 12. Important studies in which the test may have been used and important findings thereof : | No   |
| 13. Norms, key and any other supplementary material :                                       | T-Scores for males and females for the whole test and sub-tests are available  |
| 14. Price :   |  |

15. Source from which available : M.S.L. Saxena, Department of Psychology, Banaras Hindu University, Banaras
16. Any other information :
17. Institution submitting information : Compiled by Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33 Chhatra Marg, Delhi-7 from the manual supplied by the author

( 9202 )

1. Name of the test :	<b>IPP Personality Inventory Tests</b>
2. Author :	<b>K.K. Roy</b>
3. Nature of the test (verbal, non-verbal, performance, etc.) :	<b>Non-verbal</b>
4. Group or individual :	<b>Individual</b>
5. Age or age range for which meant :	<b>15 to 30 years</b>
6. Number of sub-tests and items under each :	<b>48</b>
7. Time required to administer each of the sub-tests and the test as a whole :	<b>10 minutes</b>
8. Whether any shock absorber or practice items included in the test :	<b>No</b>
9. Size of the sample on which standardized :	<b>100</b>
10. Reliability coefficient and the method used for reliability determination :	<b>.80 for Neuroticism scale and .72 for the Extraversion (Kuder-Richardson method)</b>
11. Validity coefficient and the criterion used :	<b>Concept of Construct Validity as used by Profs. Cronbach and Meehl</b>
12. Important studies in which the test may have been used and important findings thereof :	<b>The scales have been used for various experimental, clinical, educational and market research purposes</b>
13. Norms, key and any other supplementary material :	<b>All are supplied free with the tests</b>
14. Price :	<b>Rs. 35.00 for every 100 forms</b>
15. Source from which available :	<b>Intertrade Publication (I) Pvt. Ltd.</b>
16. Any other information :	
17. Institution submitting information :	<b>Intertrade publications (I) Pvt. Ltd. 55 Gariahat Road, P. Box. 10210, Calcutta-19</b>

( 9203 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Personality Inventory in Hindi</b>  |
| 2. Author :   | <b>Manovigyan Shala, U.P.</b>  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal</b>  |
| 4. Group or individual :  | <b>Group</b>   |
| 5. Age or age range for which meant :   | <b>For students of higher secondary schools in the age range of 14 to 20 years</b>   |
| 6. Number of sub-tests and items under each :   | <b>The inventory has been divided into four parts which refer to four different areas of life i.e., home, school, health and interpersonal relationships. Needs considered to be predominantly related to a particular area have been given greater weightage by including a larger number of items on them. Some difficulty was experienced in expressing all the problems related to health in terms of needs. It was, however, felt that most of them are related to the need abasement; and so a high weightage has been given to this need in that area</b> |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>About 30 minutes</b>  |
| 8. Whether any shock absorber or practice items included in the test :                      |  |
| 9. Size of the sample on which standardized :   |  |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |



- |   |   |
|---|---|
| 13. Norms, key and any other supplementary material : | Instructions for administration and scoring-sheet have been developed. Method of scoring and interpretation is also available   |
| 14. Price :   | Unpriced  |
| 15. Source from which available :                     | Manovigyan Shala, U.P.  |
| 16. Any other information :                           | First prepared in 1956, revised and published in 1959. Effort has been made to relate items to specific needs as conceived by Murray. It is being used in educational, vocational and personal guidance |
| 17. Institution submitting information :              | Manovigyan Shala, U.P., Allahabad   |

( 9204 )

Bengali

- |   |   |
|---|---|
| 1. Name of the test :   | Personality Inventory (for Teachers)  |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 49 statements   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   | Administered to 180 teacher-trainees  |
| 10. Reliability coefficient and the method used for reliability determination :             | Not yet determined  |
| 11. Validity coefficient and the criterion used :   | .29 to .70 with teachers ratings on the traits concerned                                |
| 12. Important studies in which the test may have been used and important findings thereof : | Not yet widely used   |
| 13. Norms, key and any other supplementary material :                                       | Key and other materials available   |
| 14. Price :   |   |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College           |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19  |

( 9205 )

Marathi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Tests of Temperament and Character</b>   |
| 2. Author :   | B.K. Sohoni   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             |   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 14 to 16 years old boys   |
| 6. Number of sub-tests and items under each :   | 36 sub-tests (under 9 traits)   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 20 minutes for 36 sub-tests   |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             | Test-retest reliability   |
| 11. Validity coefficient and the criterion used :   | Comparing students' scores with teachers' opinions  |
| 12. Important studies in which the test may have been used and important findings thereof : | No subsequent studies in which the test has been used   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Not priced  |
| 15. Source from which available :   | Not published as a separate booklet but included in the doctoral thesis on 'Testing of Temperament and Character', accepted by the University of Bombay in 1953 |
| 16. Any other information :   | Author's address : 1597, Sadashiv Peth, Poona 2   |
| 17. Institution submitting information :  | S.N.D.T. College for Women, Poona   |

( 9206 )

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Verbal Situation Test</b>   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | <b>Verbal, for assessment of personality</b>   |
| 4. Group or individual :  | <b>Group</b>   |
| 5. Age or age range for which meant :   | <b>For adults</b>  |
| 6. Number of sub-tests and items under each :   | <b>50 questions</b>  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | <b>45 minutes</b>  |
| 8. Whether any shock absorber or practice items included in the test :                      | <b>No</b>  |
| 9. Size of the sample on which standardized :   | <b>500</b>   |
| 10. Reliability coefficient and the method used for reliability determination :             | <b>Reliability is worked out for the test battery as a whole and not for the individual test</b> |
| 11. Validity coefficient and the criterion used :   | <b>Validity is worked out for the test battery as a whole and not for the individual test</b>    |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       |  |
| 14. Price :   |  |
| 15. Source from which available :   | <b>Classified—not for sale</b>   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | <b>Psychological Research Wing, Ministry of Defence, New Delhi</b>                               |

( 9207 )

- |   |   |
|---|---|
| 1. Name of the test:  | Officer Quality Questionnaire   |
| 2. Author :   | Psychological Research Wing, Ministry of Defence  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal, personality   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | 75 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 1 hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 75 initially  |
| 10. Reliability coefficient and the method used for reliability determination :             | Reliability is worked out for the test battery as a whole and not for the individual test |
| 11. Validity coefficient and the criterion used :   | Validity is worked out for the test battery as a whole and not for the individual test    |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   |   |
| 15. Source from which available :   | Classified—not for sale   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Psychological Research Wing, Ministry of Defence, New Delhi                               |

( 9208 )

Gujarati

1. Name of the test : Youth Inventory
2. Author : P. T. Raval
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Group
5. Age or age range for which meant : 13 to 19 years
6. Number of sub-tests and items under each : Total number of sub-tests : 7 ; total number of items : 140. Each sub-test has 20 items
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : 500
10. Reliability coefficient and the method used for reliability determination : By test-retest method : .65
11. Validity coefficient and the criterion used : Biserial correlation .31 to .65
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available : Faculty of Education and Psychology, M. S. University, Baroda
16. Any other information :
17. Institution submitting information : Faculty of Education and Psychology, M. S. University, Baroda



( 9209 )

Marathi

1. Name of the test : Youth Problem Inventory
2. Author : S. S. Kulkarni
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Both
5. Age or age range for which meant : 13 to 14 years (high school students)
6. Number of sub-tests and items under each : 8 sub-tests. I (My School) : 40 items ; II (After High School) 29 ; III (About Myself) : 45 ; IV (Getting Along With Others) : 48 ; V (My Home and Family) : 47 ; VI (Boy Meets Girl) : 22 ; VII (Health) : 28 ; VIII (Things in General) : 35
7. Time required to administer each of the sub-tests and the test as a whole : Most students require less than an hour
8. Whether any shock absorber or practice items included in the test : Yes
9. Size of the sample on which standardized : 2718, fairly representative of high school students in Maharashtra
10. Reliability coefficient and the method used for reliability determination : Internal Consistency coefficients, computed by Hoyt's ANOV Technique, for sub-test I : .82 ; II : .86 ; III : .87 ; IV : .89 ; V : .91 ; VI : .88 ; VII : .87 ; VIII : .90
11. Validity coefficient and the criterion used : The test differentiated significantly between mean scores on such variables as socio-economic status, region, grade, sex, age, caste, father's education, and mother's education. As most of these results were hypothesised on the basis of field theory and previous empirical research, the instrument can be said to have construct validity
12. Important studies in which the test may have been used and important findings thereof : The test data were used in comparing the problems of Indian high school students with those of American students

- |   |  |
|---|--|
| 13. Norms, key and any other supplementary material : | Norms have been prepared by sex, socio-economic status and rural-urban areas                               |
| 14. Price :   | Free for research purpose  |
| 15. Source from which available :                     | S. S. Kulkarni, Psychometric Unit, Deptt. of Psychological Foundations, NIE, H-2/3 Model Town, Delhi       |
| 16. Any other information :                           | The inventory is in Marathi and the sample is fairly representative of high school students in Maharashtra |
| 17. Institution submitting information :              | The author   |

( 9210 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Adaptation of Edward's Personal Preference Schedule  |
| 2. Author :   | Adaptation by R.P. Bhatnagar   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal. A personality test, measuring fifteen manifest needs as defined by Murray  |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | 13 years to adulthood  |
| 6. Number of sub-tests and items under each :   | 225 paired items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit. Approximately 1 hour for classes IX and X and 45 minutes for XI and XII   |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | Small sample standardization on a sample of 500 students of class IX   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half "r" and profile stability indices have been worked out. Split-half uncorrected reliabilities are : ach=.53, def=.66, ord=.69, exh=.67, aut=.53, aff=.77, intra=.71, suc=.68, dom=.55, aba=.67, ch=.60, end=.86, het. sex=.85, agg=.65 |
| 11. Validity coefficient and the criterion used :   | Teachers' ratings and self-ratings are being used as the criteria for validating the test  |
| 12. Important studies in which the test may have been used and important findings thereof : | Used in study of personality patterns of under-achievers   |
| 13. Norms, key and any other supplementary material :                                       | Not yet ready  |
| 14. Price :   | Not for sale   |

15. Source from which available : Can be had only for research purpose from R.P. Bhatnagar, Regional College of Education, Ajmer
16. Any other information :
17. Institution submitting information : R.P. Bhatnagar

( 9211 )

Hindi\*

1. Name of the test	<b>Student Problem Checklist</b>
2. Author :	Central Bureau of Educational and Vocational Guidance, Delhi
3. Nature of the test (verbal, non-verbal, performance, etc.) :	Verbal
4. Group or individual :	Both
5. Age or age range for which meant :	High school students
6. Number of sub-tests and items under each :	10 areas each having 20 items (200 items in all)
7. Time required to administer each of the sub-tests and the test as a whole :	20 to 40 minutes
8. Whether any shock absorber or practice items included in the test :	Not applicable
9. Size of the sample on which standardized :	Preliminary selection of items based on try-out on 120 boys and 120 girls of classes VIII through XI of 3 schools in Delhi
10. Reliability coefficient and the method used for reliability determination :	Test-retest reliability .92, based on 97 pupils of grades IX and XI of one school
11. Validity coefficient and the criterion used :	
12. Important studies in which the test may have been used and important findings thereof :	Survey of problems of high school students in India : work in progress
13. Norms, key and any other supplementary material :	
14. Price :	Unpriced
15. Source from which available :	Specimen available from Central Bureau of Educational and Vocational Guidance
16. Any other information :	Translated into English, Malayalam, Telugu, Kannada, Gujarati, Marathi, Bengali and Assamese

\*See also item 16

17. Institution submitting information : Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7



( 9212 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Svatva Sambodh Soochi</b>  |
| 2. Author : <sup>1</sup>  | Central Bureau of Educational and Vocational Guidance, Delhi  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal ; self-concept inventory   |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | High school students, but can be used with older age group also   |
| 6. Number of sub-tests and items under each :   | Three forms—Real Self, Social Self, Ideal Self, each with the same 54 items but different instructions  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 30 minutes approximately  |
| 8. Whether any shock absorber or practice items included in the test :                      | Not applicable  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | Studies of academically gifted boys ; work in progress  |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Specimen free to researchers  |
| 15. Source from which available :   | Central Bureau of Educational and Vocational Guidance   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7 |

( 9213 )

Hindi and Urdu

1. Name of the test : Attitude and Adjustment Inventory (For Drivers and Conductors)
2. Author : S. Sultan Akhtar
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual :
5. Age or age range for which meant :
6. Number of sub-tests and items under each : It consists of the following areas : Job, Management, Social and Home, each area having 25 questions
7. Time required to administer each of the sub-tests and the test as a whole : There is no time limit. Average time taken is about 15—20 minutes
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized : 540
10. Reliability coefficient and the method used for reliability determination : Split-half reliabilities : Job .83 ; Management .94 ; Social .80 ; Home .80 ; Total .93 (N=472)
11. Validity coefficient and the criterion used : Validated against supervisors' ratings. Inter-area correlations calculated
12. Important studies in which the test may have been used and important findings thereof : Used in a comparative study of employees attitudes and adjustment in Government Roadways and private bus services of Uttar Pradesh
13. Norms, key and any other supplementary material : Available
14. Price :
15. Source from which available :
16. Any other information : Test forms as well as norms and scoring key are available in Urdu and Hindi
17. Institution submitting information : Laboratory of Experimental and Applied Psychologist, Department of Philosophy and Psychology, Muslim University, Aligarh

(9214)

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | Adaptation of Bell's Adjustment Inventory                              |
| 2. Author :   | Adaptation by the Bureau of Educational and Vocational Guidance, Bihar |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Both   |
| 5. Age or age range for which meant :   | 16 to 22 years   |
| 6. Number of sub-tests and items under each :   |  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit  |
| 8. Whether any shock absorber or practice items included in the test :                      | No   |
| 9. Size of the sample on which standardized :   | In the process of standardization                                      |
| 10. Reliability coefficient and the method used for reliability determination :             | Under study  |
| 11. Validity coefficient and the criterion used :   | Under study  |
| 12. Important studies in which the test may have been used and important findings thereof : |  |
| 13. Norms, key and any other supplementary material :                                       | Manual   |
| 14. Price :   | Not yet fixed  |
| 15. Source from which available :   | Bureau of Educational and Vocational Guidance, Bihar                   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Bureau of Educational and Vocational Guidance, Bihar, Patna-3          |

( 9215 )

Marathi

- |   |  |
|---|--|
| 1. Name of the test :   | Adaptation of Bell's Adjustment Inventory                          |
| 2. Author :   | Adaptation by P. G. Karkare and B. C. Keskar                       |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | Being tried on students of class X                                 |
| 6. Number of sub-tests and items under each :   | 140 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit; normally it takes about 2 school periods            |
| 8. Whether any shock absorber or practice items included in the test :                      |  |
| 9. Size of the sample on which standardized :   | 400 of class X   |
| 10. Reliability coefficient and the method used for reliability determination :             | To be worked out   |
| 11. Validity coefficient and the criterion used :   | Being studied  |
| 12. Important studies in which the test may have been used and important findings thereof : | Being studied  |
| 13. Norms, key and any other supplementary material :                                       | Being prepared   |
| 14. Price :   |  |
| 15. Source from which available :   | Not yet published for sale   |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | Institute of Vocational Guidance,<br>3, Cruickshank Road, Bombay-1 |

( 9216 )

Hindi

1. Name of the test : **Aligarh Adjustment Inventory**
2. Author : **A. Jamil Qadri and Guidance Unit**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Both**
5. Age or age range for which meant : **For college and university students**
6. Number of sub-tests and items under each : **It has the following areas : Social, Emotional, Health, Family and Financial. Total number of items is 90; each area has 20 items except the Financial which has 10 items**
7. Time required to administer each of the sub-tests and the test as a whole : **Average time for administration is about 20 minutes**
8. Whether any shock absorber or practice items included in the test : **No**
9. Size of the sample on which standardized : **1086 male and 216 female students**
10. Reliability coefficient and the method used for reliability determination : **Split-half reliability for Social .77, Emotional .87, Health .85, Family .89, Financial .87**
11. Validity coefficient and the criterion used : **With ratings based on clinical interview, .73**
12. Important studies in which the test may have been used and important findings thereof : **Used in connection with research on 'Youth Welfare' sponsored by the University Grants Commission**
13. Norms, key and any other supplementary material : **Norms (boys and girls), key and forms in Urdu and Hindi are available. The manual is expected to be available shortly**
14. Price :
15. Source from which available :
16. Any other information :
17. Institution submitting information : **Educational and Vocational Guidance Centre, Department of Philosophy and Psychology, Muslim University, Aligarh**

( 9217 )

Hindi

1. Name of the test : Adjustment Inventory
2. Author : H. S. Asthana
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal
4. Group or individual : Both
5. Age or age range for which meant : For high school and college students
6. Number of sub-tests and items under each : 42/40 items
7. Time required to administer each of the sub-tests and the test as a whole : The usual class period
8. Whether any shock absorber or practice items included in the test : No
9. Size of the sample on which standardized : Stated in the manual (and since then has been re-worked many times)
10. Reliability coefficient and the method used for reliability determination : Split-half reliabilities corrected by Spearman-Brown Formula are : for first form .80 ; revised from .97
11. Validity coefficient and the criterion used : Biserial  $r$  for each item with the total test score ; also validated by way of prediction studies
12. Important studies in which the test may have been used and important findings thereof : Used by Bureaus of Psychology and for Masters and Doctoral theses and in counselling ; translated in many Indian languages
13. Norms, key and any other supplementary material :
14. Price : Not sold, but available to bonafide users and researchers free of cost
15. Source from which available : From the author, Psychology Laboratories, Lucknow University
16. Any other information :
17. Institution submitting information : The author



( 9218 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Emotional Maturity Scale</b>   |
| 2. Author :   | A. Jamil Qadri, S. Sultan Akhtar and Feroze Jafri   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which meant :   | For university and college students   |
| 6. Number of sub-tests and items under each :   | The scale has two parts : Part-I has 14 situations, each having three response alternatives. Part-II consists of 20 statements  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | There is no time limit, but the subjects are required to complete the form as soon as possible  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | The statements depicting emotional maturity-immaturity were sent to 53 psychologists of Agra, Lucknow, Punjab, Patna, Aligarh, etc. for ratings. Scale values for various statements have been determined |
| 10. Reliability coefficient and the method used for determination :                         | Split-half reliability of Part-I is .73 and of Part-II .62 (N=50)   |
| 11. Validity coefficient and the criterion used :   | The scale has been validated against the Personality Adjustment Inventory prepared by A. Jamil Qadri and the Guidance Unit  |
| 12. Important studies in which the test may have been used and important findings thereof : | This scale has been used by Miss Feroze Jafri in connection with her research for the M.A. degree of Muslim University, Aligarh   |
| 13. Norms, key and any other supplementary material :                                       | Norms, key and other supplementary material are being prepared and will be made available after some time   |

14. Price :
15. Source from which available : A. Jamil Qadri, House No. 30, New Staff  
Quarters, Zainul Abedin Road, Muslim  
University, Aligarh
16. Any other information ;
17. Institution submitting informa- Department of Philosophy and Psycho-  
tion : logy, Muslim University, Aligarh

( 9219 )

Hindi and Urdu

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Students' Problem Checklist</b>   |
| 2. Author :   | Educational and Vocational Guidance<br>Centre, Muslim University, Aligarh  |
| 3. Nature of the test ( verbal,<br>non-verbal, performance, etc.) :                               | Verbal   |
| 4. Group or individual :  | Both   |
| 5. Age or [ age range for which<br>meant :  | For college and university students  |
| 6. Number of sub-tests and items<br>under each :  | There are 200 problems distributed<br>among ten areas, viz., (i) Health, (ii)<br>Financial, (iii) Social Relations, (iv) Psy-<br>chological Relations, (v) Sex and Marriage,<br>(vi) Home and Family, (vii) Moral and<br>Religious, (viii) Academic and Curri-<br>culum, (ix) Curriculum and Teaching,<br>(x) Vocational |
| 7. Time required to administer each<br>of the sub-tests and the test as a<br>whole :              | No time limit  |
| 8. Whether any shock absorber or<br>practice items included in the<br>test :                      | No   |
| 9. Size of the sample on which<br>standardized :  | 100  |
| 10. Reliability coefficient and the<br>method used for reliability<br>determination :             |  |
| 11. Validity coefficient and the<br>criterion used :  |  |
| 12. Important studies in which the<br>test may have been used and<br>important findings thereof : | Research on 'Youth Welfare' sponsored<br>by University Grants Commission   |
| 13. Norms, key and any other sup-<br>plementary material :  | Instructions for administration and<br>scoring and forms in Hindi and Urdu   |
| 14. Price :   |  |
| 15. Source from which available :   |  |

16. Any other information :

17. Institution submitting information :

Educational and Vocational Guidance  
Centre, Department of Philosophy and  
Psychology, Muslim University, Aligarh

( 9220 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Personality Inventory (PI)</b>   |
| 2. Author :   | T. E. Shanmugam   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which meant :   | 12 to 18 years  |
| 6. Number of sub-tests and items under each :   | 100   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 45 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | About 1000  |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : | In studies of emotional instability in adolescence, sex delinquency, adolescent fantasies, etc. |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Nil   |
| 15. Source from which available :   | The author, for research purposes, but not on commercial scale                                  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Department of Psychology, University of Madras .  |

( 9221 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Teacher's Checklist of Pupil Behaviour</b>   |
| 2. Author :   | Central Bureau of Educational and Vocational Guidance, Delhi  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   | For pupils of primary, middle and secondary school  |
| 6. Number of sub-tests and items under each :   | 18 items, each offering a number of alternatives from which one or more may be checked  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | Can be checked by a teacher in a few minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | Not applicable  |
| 9. Size of the sample on which standardized :   |   |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       | A leaflet entitled 'Use of the Checklist' available<br>Specimen free  |
| 14. Price :   |   |
| 15. Source from which available :   | Central Bureau of Educational and Vocational Guidance   |
| 16. Any other information :   | This is not a psychometric device and is not meant to yield a score. Helpful in understanding pupils and for counselling                                  |
| 17. Institution submitting information :  | Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, National Institute of Education, 33-Chhatra Marg, Delhi-7 |



( 9222 )

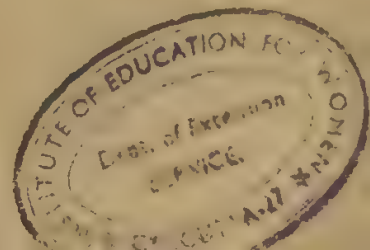
Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | Kishor Abhiyojan Prashnavali                                      |
| 2. Author :   | Jai Prakash   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal ; adolescent adjustment inventory                          |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which meant :   | 12 to 18 years  |
| 6. Number of sub-tests and items under each :   |   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 1 hour 15 minutes   |
| 8. Whether any shock absorber or practice items included in the test :                      |   |
| 9. Size of the sample on which standardized :   | 2000  |
| 10. Reliability coefficient and the method used for reliability determination :             | Test retest : '901 ; Split-half : '896                            |
| 11. Validity coefficient and the criterion used :   | .601 against Dr. M.S. L. Saksena's Vyaktitva Parakh Prashnavali   |
| 12. Important studies in which the test may have been used and important findings thereof : | To study personality and adjustment problems of students at Sagar |
| 13. Norms, key and any other supplementary material :                                       | Norms, keys and answer sheets provided                            |
| 14. Price :   |   |
| 15. Source from which available :   | The author  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Dr. Jai Prakash, University of Saugar, Sagar                      |

( 9301 )

Gujarati

- |   |   |
|---|---|
| 1. Name of the test :   | Children's Sociometric Test, 362          |
| 2. Author :   | S. K. Mitra, A.A. Khatri and Sybil David  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal                                    |
| 4. Group or individual :  | Both                                      |
| 5. Age or age range for which meant :   | 8 to 15 years                             |
| 6. Number of sub-tests and items under each :   | 6   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 20 to 30 minutes                          |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | Not standardized                          |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Not yet fixed                             |
| 15. Source from which available :   | B. M. Institute                           |
| 16. Any other information :   | Studies on this test are in progress      |
| 17. Institution submitting information :  | B. M. Institute, Ashram Road, Ahmedabad-9 |



( 9302 )

English

- |   |   |
|---|---|
| 1. Name of the test :   | An Investigation to Study Human Relationships in a Secondary School |
| 2. Author :   | R. S. Thakar  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.):                              | Verbal  |
| 4. Group or individual :  | Group   |
| 5. Age or age range for which meant :   | 14 to 18 years  |
| 6. Number of sub-tests and items under each :   | 4 sub-tests   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit   |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes   |
| 9. Size of the sample on which standardized :   | The questionnaire was administered to 128 pupils                    |
| 10. Reliability coefficient and the method used for reliability determination :             |   |
| 11. Validity coefficient and the criterion used :   |   |
| 12. Important studies in which the test may have been used and important findings thereof : |   |
| 13. Norms, key and other supplementary material :   |   |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Faculty of Education and Psychology,<br>M. S. University, Baroda    |

( 9303 )

Gujarati

1. Name of the test : A Sociometric Study of Friendship in Schools
2. Author : P. H. Dalal
3. Nature of the test (verbal, non-verbal, performance, etc.) : Verbal (a questionnaire)
4. Group or individual : Group
5. Age or age range for which meant : For pupils of Class VIII (age 11 to 18)
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole : No time limit
8. Whether any shock absorber or practice items included in the test : Yes
9. Size of the sample on which standardized : Not standardized, but the questionnaire was administered to 206 pupils
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available :
16. Any other information :
17. Institution submitting information : Faculty of Education and Psychology, M. S. University, Baroda

## MISCELLANEOUS

( 0001 )

Bengali and English

1. Name of the test : **A Scale of Attitude of Secondary School Teachers Towards Teaching**
2. Author : **Santi Dutt**
3. Nature of the test (verbal, non-verbal, performance, etc.) : **A nine-point scale, prepared according to Thurstone's method of equal-appearing intervals**
4. Group or individual :
5. Age or age range for which meant : **For secondary school teachers**
6. Number of sub-tests and items under each : **2 forms, each with 25 statements**
7. Time required to administer each of the sub-tests and the test as a whole : **No time limit**
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized :
10. Reliability coefficient and the method used for reliability determination : **Coefficient of correlation between 2 forms (applied on 120 teachers) is .68. The method of analysis of variance was applied to test the singificance of the differences between the statements and the consistency of the judges**
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof : **Reported in thesis available at the Institute. Attitudes of teachers were correlated with intelligence (no significant relation), with sex (attitude less favourable with growing age among females and the converse with males), with pay and family income (no significant relation). Attitude more favourable among missionary school teachers**



13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available : Institute of Education for Women, Hastings House, Alipore, Calcutta-27
16. Any other information :
17. Institution submitting information : Institute of Education for Women, Alipore, Calcutta-27

( 0002 )

English and Bengali

- |   |  |
|---|--|
| 1. Name of the test :   | Attitude Scale for the Teaching Profession   |
| 2. Author :   | Bureau of Educational and Psychological Research, David Hare Training College, Calcutta    |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | Adults   |
| 6. Number of sub-tests and items under each :   | 42 items   |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit  |
| 8. Whether any shock absorber or practice items included in the test :                      |  |
| 9. Size of the sample on which standardized :   | Administered on a group of 195 graduate teachers   |
| 10. Reliability coefficient and the method used for reliability determination :             | .94 (by the Split-half method, corrected by the Spearman-Brown formula)                    |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : | Used in connection with research on 'A Comparative Study of Trained-vs-Untrained Teachers' |
| 13. Norms, key and any other supplementary material :                                       | Provisional norms available  |
| 14. Price :   | Price not fixed  |
| 15. Source from which available :   | Bureau of Educational and Psychological Research, David Hare Training College              |
| 16. Any other information :   |  |
| 17. Institution submitting information :  | David Hare Training College, Calcutta-19   |

( 0003 )

Hindi and Urdu

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Study Habits Questionnaire</b>   |
| 2. Author :   | Educational and Vocational Guidance<br>Centre, Muslim University, Aligarh   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Both  |
| 5. Age or age range for which meant :   | For college and university students   |
| 6. Number of sub-tests and items under each :   | 23 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 5 to 8 minutes  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 150   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability is .85 (N=120)   |
| 11. Validity coefficient and the criterion used :   | Criterion used was academic achievement of students   |
| 12. Important studies in which the test may have been used and important findings thereof : | Used in research on 'Youth Welfare'   |
| 13. Norms, key and any other supplementary material :                                       | Key and norms are available in Hindi and Urdu. Percentile and descriptive norms are also available                    |
| 14. Price :   |   |
| 15. Source from which available :   |   |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Educational and Vocational Guidance<br>Centre, Department of Philosophy and<br>Psychology, Muslim University, Aligarh |

( 0004 )

Hindi

1. Name of the test : **Adaptation of Wrenn's Study Habit Inventory**
2. Author : **Adapted by the Bureau of Educational and Vocational Guidance, Bihar**
3. Nature of the test (Verbal, non-verbal, performance, etc.) : **Verbal**
4. Group or individual : **Group**
5. Age or age range for which meant : **For high school students**
6. Number of sub-tests and items under each :
7. Time required to administer each of the sub-tests and the test as a whole :
8. Whether any shock absorber or practice items included in the test :
9. Size of the sample on which standardized : **Being standardized**
10. Reliability coefficient and the method used for reliability determination :
11. Validity coefficient and the criterion used :
12. Important studies in which the test may have been used and important findings thereof :
13. Norms, key and any other supplementary material :
14. Price :
15. Source from which available : **Bureau of Educational and Vocational Guidance, Bihar**
16. Any other information :
17. Institution submitting information : **Bureau of Educational and Vocational Guidance, Bihar, Patna-3**

( 0005 )

Tamil and English

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Basic Education : A Scale of Public Opinion</b>   |
| 2. Author   | N. Vedamani Manuel   |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | Literate adults  |
| 6. Number of sub-tests and items under each :   | 2 parts, each with 20 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 20 minutes on an average   |
| 8. Whether any shock absorber or practice items included in the test :                      | None   |
| 9. Size of the sample on which standardized :   | 1081   |
| 10. Reliability coefficient and the method used for reliability determination :             | Split-half reliability (after correction) for Part I : .91. Test-retest (English and Tamil forms on the same subjects) for Part I : .85 and for Part II : .88                            |
| 11. Validity coefficient and the criterion used :   | Logical validity ascertained by reference to expert panel. Statistical validity not calculated. The forty items were selected out of 147 items on the basis of high discriminative value |
| 12. Important studies in which the test may have been used and important findings thereof : | 'The Causes of Resistance to Basic Education (in Madras State)'  |
| 13. Norms, key, and other supplementary material :  | Not published  |
| 14. Price :   | Unpriced   |
| 15. Source from which available :   | Research Department, Teachers College, Sri Ramakrishna Mission Vidyalaya, Sri Ramakrishana Vidyalaya (P. O.), Coimbatore District  |

- |  |   |
|--|---|
| 16. Any other information :              | None  |
| 17. Institution submitting information : | Research Department, Teachers College,<br>Sri Ramakrishna Mission Vidyalaya, Sri<br>Ramakrishna Vidyalaya (P. O.) Coimbatore District |



( 0006 )

English

- |   |  |
|---|--|
| 1. Name of the test :   | Socio-economic Statue Scale (Form A and B)   |
| 2. Author :   | B. Kuppuswamy  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal   |
| 4. Group or individual :  | Group  |
| 5. Age or age range for which meant :   | For school and college students and adults   |
| 6. Number of sub-tests and items under each :   | Three variables, each having 7 items which are assigned standard weights. Variables are (a) Education, (b) Occupation, (c) Monthly Income  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | No time limit  |
| 8. Whether any shock absorber or practice items included in the test :                      | Nil  |
| 9. Size of the sample on which standardized :   | Weights for different items were calculated on the basis of a sample consisting of parents of 120 children of middle schools, 300 of high schools of Mysore City, 203 owners of radios and persons of high social prestige belonging to a club |
| 10. Reliability coefficient and the method used for reliability determination :             |  |
| 11. Validity coefficient and the criterion used :   | Validity of the scale was established through several methods such as (a) matching against out-side criterion (b) distribution patterns (c) comparison of dichotomous groups. The scale was found discriminating satisfactorily                |
| 12. Important studies in which the test may have been used and important findings thereof : |  |

- |   |  |
|---|--|
| 13. Norms, key and any other supplementary material : | Weights for items according to which the total scores are calculated are given   |
| 14. Price :   |  |
| 15. Source from which available :                     | Manasayan, 32, Faiz Bazar, Delhi   |
| 16. Any other information :                           | It is a scale which yields a total socioeconomic status score based on the pooled information on three variables : education, occupations and monthly income |
| 17. Institution submitting information :              | B. Kuppuswamy, India International Centre, 40 Lodi Estate, New Delhi   |

( 0007 )

- |   |   |
|---|---|
| 1. Name of the test :   | <b>Family Planning Attitude Test</b>  |
| 2. Author   | Jai Prakash   |
| 3. Nature of the tests (verbal, non-verbal, performance, etc.):                             | Verbal  |
| 4. Group or individual :  | Individual  |
| 5. Age or age range for which meant :   | Adults  |
| 6. Number of sub-tests and items under each :   | (a) Personal data and opinion blank : 24 items ; (b) Attitude scale : 25 items  |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | About 1 hour  |
| 8. Whether any shock absorber or practice items included in the test :                      | No  |
| 9. Size of the sample on which standardized :   | 1000  |
| 10. Reliability coefficient and the method used for reliability determination :             | Test—retest .89   |
| 11. Validity coefficient and the criterion used :   | Validated against the actual participation in family planning movement and the views ascertained through the first part of the test and personel interviews |
| 12. Important studies in which the test may have been used and important findings thereof : | To study attitude towards family planning in an industrial population   |
| 13. Norms, key and any other supplementary material :                                       | With the manual   |
| 14. Price :   |   |
| 15. Source from which available :   | The author  |
| 16. Any other information :   |   |
| 17. Institution submitting information :  | Dr. Jai Prakash, University of Saugar, Sagar  |

( 0008 )

Hindi

- |   |  |
|---|--|
| 1. Name of the test :   | <b>Rote Memory</b>   |
| 2. Author :   | Department of Education, Gorakhpur University                  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Non-verbal   |
| 4. Group or individual :  | <b>Group</b>   |
| 5. Age or age range for which meant :   | 10 years and 8 months to 16 years and 9 months                 |
| 6. Number of sub-tests and items under each :   | Total number of items : 16                                     |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | 5 minutes for memorizing ; 3 minutes for answering             |
| 8. Whether any shock absorber or practice items included in the test :                      | Yes  |
| 9. Size of the sample on which standardized :   | 934  |
| 10. Reliability coefficient and the method used for reliability determination :             | Not found  |
| 11. Validity coefficient and the criterion used :   |  |
| 12. Important studies in which the test may have been used and important findings thereof : | Used to compare rural-urban boys and to factorize matrix       |
| 13. Norms, key and any other supplementary material :                                       | Not established  |
| 14. Price :   |  |
| 15. Source from which available :   |  |
| 16. Any other information :   |  |
| 17. Institution submitting information  | Department of Education, Gorakhpur University, Gorakhpur, U.P. |

( 0009 )

Hindi

- |   |   |
|---|---|
| 1. Name of the test :   | <b>NIE Reading Readiness Test</b>   |
| 2. Author :   | D. S. Rawat, in collaboration with the Reading Project Team of the National Institute of Education  |
| 3. Nature of the test (verbal, non-verbal, performance, etc.) :                             | Verbal  |
| 4. Group or individual :  | Group (can be administered to seven children at a time)   |
| 5. Age or age range for which meant :   | Six plus (first grade children of the primary schools)  |
| 6. Number of sub-tests and items under each :   | Word Meaning : 12 items ; Sentence Meaning : 20 ; Copying : 28 ; Visual Perception, Part I : 12, Part II : 12 ; Auditory Discrimination : 36        |
| 7. Time required to administer each of the sub-tests and the test as a whole :              | I : 15 minutes ; II : 25 ; III : 30 ; IV Part I : 15 ; Part II : 15 ; V Part I : 30, Part II : 35. Additional time for instructions and rest pauses |
| 8. Whether any shock absorber or practice items included in the test :                      | Practice items included in each sub-test  |
| 9. Size of the sample on which standardized :   | 3500 first grade children of Delhi schools  |
| 10. Reliability coefficient and the method used for reliability determination :             | Being determined  |
| 11. Validity coefficient and the criterion used :   | Being determined  |
| 12. Important studies in which the test may have been used and important findings thereof : | The test is still in the process of standardization   |
| 13. Norms, key and any other supplementary material :                                       |   |
| 14. Price :   | Not yet fixed   |
| 15. Source from which available :   | Curriculum Adviser, Department of Curriculum, Methods and Text-Books  |

16. Any other information :
17. Institution submitting information : Department of Curriculum, Methods and Text-Books, National Institute of Education, New Delhi

( 0010 )

Hindi

1. Name of the test :	Measurement of Attitudes Towards Professional Training (Teachers)
2. Author :	Malti Shukla
3. Name of the test (verbal, non-verbal, performance, etc.) :	Verbal, questionnaire
4. Group or individual :	Group
5. Age or age range for which meant :	For trained secondary school teachers
6. Number of sub-tests and items under each :	15 items
7. Time required to administer each of the sub-tests and the test as a whole :	No time limit
8. Whether any shock absorber or practice items included in the test :	No
9. Size of the sample on which standardized :	200
10. Reliability coefficient and the method used for reliability determination :	
11. Validity coefficient and the criterion used :	
12. Important studies in which the test may have been used and important findings thereof :	
13. Norms, key and any other supplementary material :	Percentages for various answers reported
14. Price :	Not for sale
15. Source from which available :	Not published
16. Any other information :	Approved as M.Ed. project in 1954
17. Institution submitting information :	Teachers Training College, Banaras Hindu University, Banaras



**PART TWO**  
**TEST REVIEWS**

## **Review Committees**

### **Committee on Tests of General Intelligence**

Shri R. P. Bhatnagar  
Dr. K. G. Desai  
Dr. P. Gopala Pillai  
Dr. S. M. Mohsin  
Shri M. C. Muniswami  
Prof. N. C. S. Rao  
Shri D. N. Ray  
Smt. S. Shukla

### **Committee on Aptitude and Achievement Tests**

Dr. Champa L. Bhatt  
Shri R. N. Jog  
Shri B. Lele  
Shri K. V. Limaye  
Shri Baqer Mehdi  
Shri H. S. Mishra  
Shri Pritam Singh

### **Committee on Interest and Personality Measures**

Dr. S. Chatterji  
Dr. S. Jalota  
Dr. Perin H. Mehta  
Dr. T. B. Naik  
Dr. E. G. Parameswaran

( 1103 )

**Intelligence Tests for Gujarati Children (Gujarati Balakonu Buddhimapan)**  
by N.N. Shukla

Shukla's test, which he submitted to the University of Bombay for the degree of M.Ed., was published by the Indian Institute of Education, Bombay, in 1960. The book, containing an introduction, instructions for administration and scoring and the tests for the various age groups, along with material in the form of cards and a sample scoring sheet, is priced at Rs. 5.00 per copy and is available from the author, who is at present Principal of the Sadhna School of Educational Research and Training, Juhu Road, Vile Parle, Bombay.

*Gujarati Balakonu Buddhimapan* is the first individual scale of intelligence prepared for use with Gujarati children. Although the author does not explicitly state for which age groups the test is applicable, the implication appears to be that it can be used for all age groups from 3 years onwards. The author has given sub-tests for each of the age groups from 3 to 10, and also for the age groups 12, 14, 16, 19 and 22. There are 6 sub-tests for each of these age groups, so that a sub-test for any of the age groups from 3 to 10 carries a score of two months, whereas a sub-test at, say, 14 years level carries a score of six months. Thus, because of the disproportionately large weightage attached to each sub-test in the upper age ranges, the test does not appear to be very suitable for adults. Moreover, the content of the sub-tests for the upper ages does not appear to have a sufficiently high ceiling, and on this ground too the test does not appear to be suitable for adults.

In the introduction, the author states that the sub-tests are mostly either translations of Kamat's adaptation of the 1916 Stanford Revision of the Binet-Simon Test, or in some cases direct translations from the latter. The author claims that in adapting these sub-tests he has taken every care to ensure that they are suitable for use in the Gujarati environment. Examination of the content of these sub-tests does, in general, seem to support the author's claim, with an exception here or there; sub-test 3 at age 19, viz., finding differences between abstract nouns, is a case in point, as there seems to be little or no difference between some of the abstract nouns given in the contents of the sub-test. The manual, however, contains no statistical evidence in support of the claim that the tests actually are suitable for the Gujarati environment, or for the allocation of the sub-tests to the various age levels. Also, changes such as the introduction of decimal coinage, and metric measures make the items involving the older measures comparatively unfamiliar and unsuitable for use in the year 1962.

The manual is glaring in its lack of any information concerning the standardization of the test and its reliability and validity. The author merely states in the introduction that the test has been standardized on the basis of

individual try-out of the items on 1247 Gujarati 'children', ranging in age from 3 to 22 years, that changes were made in the age allocation of some of the sub-tests which Kamat had earlier arrived at, whenever it was found necessary, and that thereafter the validity of the tests was compared using statistical methods. The author mentions that the entire work of standardization has been reported in his M.Ed. thesis which was submitted to the University of Bombay ; and that a synopsis of it has been published by the Indian Institute of Education. Apparently, the author expects every user of the test either to refer to a copy of his thesis in the University library or to obtain a copy of the synopsis from the Indian Institute of Education, Bombay (the address of which has not been stated in the manual), or to use the test 'on faith', accepting the author's word for it that it has been adequately standardized; surely, a discriminating user of the test would be interested in having information about its standardization so that he can evaluate the test and consider its suitability for the purpose for which he wants to use it, and surely every author publishing a test ought to supply to the user of his test all information in the manual itself. As matters stand, it is quite impossible for any one, including the present reviewers, to evaluate the utility of this test in the absence of the most elementary information regarding its standardization, reliability and validity. Presumably an individual scale of the omnibus type purporting to measure general intelligence would be used for predicting scholastic achievement, but even the content validity of the test for this particular purpose is not very convincing, when a large number of the sub-tests are of the non-verbal type or memory items testing either immediate recall or retention. For instance, at the lower age levels, viz., years 3, 4 and 6, one-third of the sub-tests are tests of memory, and year 7 has three memory sub-tests; one of immediate recall and two of retention. Memory sub-tests undoubtedly are easy to construct, but the reviewers have not come across research evidence to the effect that memory items or non-verbal items are particularly useful for predicting scholastic achievement. Hence the test user is itself guessing as to the use to which the test may legitimately be put.

The manual gives adequate instructions for the administration and scoring of the tests and a sample scoring sheet is supplied with the manual. It seems that the test user is expected to prepare duplicate copies of the scoring sheet and also to prepare for himself the various materials required for the administration of the test other than the cards which are supplied with the manual. This is a distinct drawback ; the author should have put in the market a complete kit containing not only the manual but all the material required for administration of the test. In the manual the author states that the test requires approximately an hour for its administration, but in the information supplied by the Indian Institute of Education in the test abstract included in this Handbook, the time is stated to be one and a half hours. This, actually, is not a very important discrepancy, as the

time required for the administration always varies considerably from one individual to another. As compared with other individual scales of the omnibus type, the administration of the test is quite complex, calling for the use of different types of materials. The examiner needs to become very familiar with the test before he can administer it correctly to clients. A certain amount of subjectivity in scoring is inevitable in such scales, but the author has made a commendable effort to minimise the subjectivity by giving plenty of alternative responses as examples to guide the examiner. The scale yields a measure of intelligence in terms of M.A.'s and I. Q.'s, the chronological age for the computation of these in the case of adults being taken as 16. Comparable forms of the test are not available. The cost of the test is extremely moderate, viz., Rs. 5/- for a set of manual and cards, and the material of course can be used over and over again.

The reviewers appreciate the pioneering work done by Dr. Shukla in constructing the first scale of intelligence for Gujarati children, and feel that if he would revise some of the sub-tests and incorporate in the manual information concerning the sample as well as the process of calculating the reliability and the validity, he would improve the value of the test. As the test has been used in several studies, the manual should also contain information derived from these attempts which would throw light on the value of the test. A complete kit containing the required materials should now also be put on the market.



( 1201 )

**Group Test of Intelligence for High School Students by Chinnamma Sathananda**

The test under review is a group verbal test of intelligence prepared in Kannada language. It consists of 108 items distributed over 8 sub-tests, namely Classification, Best Answers, Arithmetic Problems, Logical Selection, Opposites, Riddles, Number Series and Analogies. Each test has a separate time limit. The time allowed for the whole test is 40 minutes.

The test has been standardized on a sample of 3067 students (2115 boys and 952 girls). No adequate data on standardization have been presented in the tentative manual. No information about its sample design and its representativeness is provided. In the absence of such data, the reviewers are not in a position to judge the nature of the sample used. It is reported by the author that the distribution of scores for the sample selected is approximately normal but no statistical figures are presented in support of this claim.

The reliability of the test is reported to be .93 by the split-half method and .89 by the method of rational equivalence. The validity of the test also appears to be satisfactory : it is .62 against teachers' ratings and .73 against marks of the terminal examination.

There is consistent increase in the mean scores of the test from the first year to the third year of high school level. This finding seems to be quite in line with the concept of growth of intelligence described by psychologists.

The author presents decile norms for the first, second and third year classes of the high school. Only grade norms have been worked out. Age norms are not available.

**Process of Standardization :** The first draft of the test consisting of 392 items was administered to a 'representative' sample of 198 students. Items having difficulty values between 20 and 80 per cent and discrimination indices of .28 and above were selected for the final form. The author does not describe the exact statistical technique followed for item analysis ; also the rationale for fixing the lower limit of the index of discrimination values at .28 is not reported. The item analysis data do not reveal that the author has calculated the percentage of success for each of the distractors separately. This process would have enabled the author to eliminate the useless distractors. The manual of the test is incomplete and inadequate and does not supply the essential data for judging the scientific validity of statistical procedures adopted in test standardization.

Analysis of the content of various sub-tests used in the Intelligence Scale would reveal that some of the sub-tests might not prove of adequate value in predicting intellectual ability involved in the operations of education. The sub-test on Riddles (Test No. 6) consisting of 11 items seems to depend for its success

on associate reproduction rather than correlate education, to use Spearman's terminology to define intelligence operationally. It is also reported that in the light of recent studies on predictive value of the riddle-tests this sub-test has been dropped in the latest revision.

**Directions for Administering the Test :** There has also been no adequate standardization of instructions for administering the test. The author says 'Before beginning the test prepare the minds of the pupils to take the test in the right attitude by a few *appropriate* introductory remarks.' These instructions introduce a large element of subjectivity in the mode of giving the test. As per the manual of instructions, the eight practice items have to be worked out on the blackboard by the tester and the test has to be explained. This procedure might introduce variation from tester to tester in the way of presenting the items. It would be desirable to standardize the conditions of administration if the test should prove to be of scientific value. Another defect of the test is that all the eight examples (one for each test) are explained at the beginning of the test and then the student is asked to work at each test with a time limit. There is only one practice item which is not at all adequate. The author should have provided at least 3 practice items for each test. The perusal of the test reveals that the latter half of the first test and the first part of the second test are printed in booklet on two continuous pages facing each other. The testee who has finished the first test before time may be tempted to read through the second test which may influence his score for having had more time to think over. This should have been avoided.

In spite of some of these inadequacies, it may be stated that the author has made a commendable effort to construct and standardize a test of intelligence in Kannada. If an adequate manual is prepared with standardized instructions for administering the test, giving complete standardization data based on a revised format of the test-booklet printed in the light of the suggestions given above, there is no doubt that this test may prove to be of value for guidance in the Kannada-speaking area of the country.



( 1203 )

**C.I.E. Verbal Group Test of Intelligence, T3**  
**by Central Institute of Education, Delhi**

The test contains 85 items distributed among 10 sub-tests, ranging from 4 to 12 items per sub-test, selected from an original draft of 300 items, distributed among 19 sub-tests. The sample used for item-analysis consisting of 1341 boys and girls of ages ranging between 11 plus and 14 plus. The entire assemblage of items was transferred to 4 different forms, each printed and administered separately to the same sample evidently on 4 different days. Nothing is said in the manual about the steps taken to maintain optimal motivation in the testees during the 4 testing sessions, and the time allowance for each session.

The total scores obtained by each pupil on all the 300 items were used for finding the 27 per cent top and the 27 per cent bottom groups on which the item analysis was actually done.

The authors used these extreme groups not only for finding the discrimination value of the items, but also for determining their difficulty indices. As a result, the two indices became interdependent and could not be used as independent criteria for item selection, as claimed by the authors.

The standardization was first attempted on a sample of 746 of the 13 year old children. It is not clear why children of the ages of 11 plus, 12 plus and 14 plus were included in the sample used for item analysis when the test was intended to be used for 13 year old children only. Only about 250 of the 13-year old children were included in this sample and so the index of item difficulty, etc., obtained may not be relevant for the normative sample. This becomes more glaring when we find that the normative sample was further reduced by dropping out pupils of the age of 13 plus in class VII ; their total number being 207 out of 746. Further, by this operation the sample becomes a highly select one as, most probably, it includes only the average and above average pupils in the 13 plus group.

In the construction of norms care has not been taken to examine the nature of the distribution. Each of the two curves for boys and girls is apparently non-normal. Test of normality should have been applied to decide any further treatment. If the distribution was really non-normal, standard score norms could be constructed without normalising the distribution. The method actually followed, on the other hand, resulted in normalising the distribution, which seems to be unjustified in the absence of a test of normality.

Coming to the composition of the test, a group test should contain many more items of the same type than those included in each sub-test of the C.I.E.T. 3. Each sub-test samples a particular aspect of the ability measured and the sampling error can only be minimised by providing adequate number of items representing

the aspect. This may result in reducing the number of types to which the items are to belong, which may not be a very significant loss if it does not go too far.

The validity coefficient of .64 with teachers' estimate as criterion, shows that more pupils than expected from a normal sample get the average score in the test. A fairly high correlation with teachers' estimate is, thus, accountable in terms of the central tendency error of rating by which teachers' estimates are affected.

( 1204 )

**C.I.E. Verbal Group Test of Intelligence, T4**  
**by Central Institute of Education, Delhi**

The test contains 80 items distributed among 11 sub-tests. Some sub-tests like analogy, which has consistently proved to be a measure of the factor highly correlated with what we generally understand by general intelligence, have been given a nominal place in the test. The analogy sub-test is represented only by 7 items as compared to a test of 9 completion items which possess a more or less non-descript character and, in some cases, the selection of the correct answer (Nos. 30 and 31) involves grammatical error. It seems that not much attention has been given to editing the quality of the test (Example, page 6, item No. 41, page 5).

The manual does not say much about the details of item-analysis and standardization. Most probably the same methods were followed as reported for C.I.E. Test 3 which has been reviewed previously.

( 1210 )

**Verbal Group Test of Intelligence for 12 plus in Hindi (B.P.T. 12) by  
Bureau of Psychology, Allahabad**

The test contains 100 items of 15 different types. The methods followed for item analysis and construction of norms are the same as for B.P.T. 7. The comments made on that test also apply to B. P. T. 12. In this case the manual contains nothing that could throw any light on the validity of the test. Since the item analysis supplies only consistency data, the question of the test's validity remains unanswered to the reviewer. As the test is known to have been widely used since its construction in 1953, validity data are presumably available with the Bureau of Psychology, and ought to be published.

( 1211 )

**Verbal Group Test of Intelligence for 13 plus in Hindi (B.P.T. 7)**  
**by Bureau of Psychology, Allahabad**

The test contains 100 items selected out of an original pool of 160. Full details of the method of item analysis and standardization are given in Publication No. 6 of the Bureau of Psychology, Allahabad. The general outline of the method is the same that was followed for the Moray House Tests. There is one difference, so far as the reviewer's memory of Moray House Tests goes, which may be viewed as quite significant. The item analysis for the Moray House Tests provides also the item validity data. The division of the scored test scripts into six piles was done on the basis of the testees' I.Q.s obtained from the previous administration of a test of established validity. The Allahabad test scripts are classified for the purpose of item analysis on the basis of total scores in the test under construction. This method supplied only internal consistency data. The question about the validity of the test remains unanswered without separate research on the validation of the test.

Close adherence by the Allahabad Bureau to the Moray House Test technique has made the application of the technique, in some cases, altogether meaningless and even futile. For example, statistical manipulation of the test scores in one-month units may be quite appropriate for Britain where practically every school going child knows his exact date of birth. The same type of treatment in our country is always likely to be subject to gross errors. One looks askance at table 5 (page 22) of the report under reference which covers merely 1000 cases classified in one-month units. If the school register is a source of the obtained information, its authenticity must be extremely poor. If, on the other hand, special pains were taken to meet the parents and scrutinise the family birth records, the sample must be highly select one, drawn from a highly educated and enlightened section of the population. The regression equations and the lines of best-fit lose all their sanctity in the light of this comment.

Since the item analysis data do not contain item validity data, some report on the validity of the test is very necessary for recommending the test for the purpose it is intended. One indirect evidence is found in the said report on page 33. The I.Q. of the 13 goes on increasing from class to class in the expected direction. Undoubtedly a 13 year old pupil reading in class X must be mentally much ahead of the pupil of the same age reading in class VII. Similarly, the average I.Q. of the science students is reported to be higher as measured by the test than that of a student opting for a non-science group. This also is expected and consistent with the other reported findings.



( 1230 )

**Pathak Budhi Vikash (Pathak Development of Intelligence) by A. K. Pathak**

This is a verbal group test of intelligence in Marathi, intended for use with children of age group 9-13 years. In view of the scarcity of tests of intelligence in Marathi, this is a welcome attempt. However, the manual only gives instructions for administering the test, the key and the scoring procedure. No technical data are supplied and hence it is not possible to evaluate the utility of the test and the propriety of procedures followed in its construction, etc.

The test consists of eight sub-tests containing varying number of items ranging from 5 to 25. The reason of this wide disparity in the number of items is not made clear. The time-limits in general appear to be too long, e. g., the time limit given for sub test no. 1 (Classification) which has 10 items, is  $2\frac{1}{2}$  minutes. The reviewers feel that children of the age group for which the test is meant can attempt upto 20 items within this time. The unduly long time-limits are likely to lower the test's capacity to discriminate among children of higher levels of intelligence. In addition to the sample items given at the beginning of each sub-test, a group of four sample items of different types is given at the beginning of the whole test, presumably as a shock absorber. The tester is instructed only to announce the correct answers to these practice items in case the subjects fail to find them, but it is not clear whether he should explain how the correct answer is arrived at. In the absence of an explanation it is felt that, considering the age group of the children for whom the test is intended, a number of children may not be able to understand the test and so may score low and be underestimated.

A very obvious omission is that, while the manual provides for the instruction to tell the children to fill in the 'test administration number' in the space provided on the front page of the test booklet, no space is provided in the booklet for making this entry. The name given to sub-test no. 5 is misleading. The test has items on 'analogies' but it is entitled 'pairs having the same meaning'.

Care has not been taken, while printing the test booklet, to see that only one sub-test is open to view at a time.

Six of the sub-tests have multiple choice items but no correction for guess-work is suggested while varying weightage in fractions (in one case up to two decimal places) is given to each sub-test for computing the final score. This unnecessarily complicates the procedure of arriving at the final score. Moreover, the basis on which the weights have been determined is not mentioned.

Finally, neither norms are given nor is it explained how the I. Q. can be arrived at from the total score. In the absence of this, the reviewers hardly need to say that the test cannot be put to use for measuring intelligence.

( 1231 )

**P. S. M. General Intelligence Test by K.G. Rama Rao and S. K. Dani**

This is a verbal group test of intelligence of the battery type consisting of 6 sub-tests : analogies (27), classification (27), sentence completion (24), similarities (27), number series (23), and reasoning (19) .

Norms are provided for ages 13-21 obtained from samples ranging from 236 persons of age 21 to 673 of age 17. A useful pamphlet (No. 33A) gives adequate information about the construction and standardization of the test, and also contains a general discussion of intelligence testing theory.

The inter-correlations of the six sub-tests indicate 12 inter-correlations ranging from .52 to .64, and the remaining 3 from .47 to .49. This shows a degree of overlap in the abilities tested by the different sub-tests, which the authors intended.

The test is intended to measure 'general intelligence'. It serves this purpose very well in so far as it adheres to the concept of intelligence that has been explained in the handbook accompanying the test. The language appears to be more suitable for Madhya Pradesh region than for other Hindi-speaking areas.

The sample for measuring reliability and validity are relatively small and the latter is based on a selected group of B.T. students only. It would be better to obtain other samples of school and college groups and determine revised estimates of the test's validity for current needs. One of the useful evidences of validity of the test has been provided by the fact that the mean scores show a steady increase from one age group to another while the standard deviations remain stable throughout. This is a very strong point about the test as it speaks highly of its validity.

It is understood that a shorter version is being tried out with lower age groups, which correlates fairly highly with the longer version. We think the time of 1½ hours is rather too long for any age-group and it would be desirable to determine the utility of a shorter version at all levels. Some sub-tests may be shortened, or even eliminated for certain age-groups.





( 1236 )

**Maratha Buddhimapan Patrika—'Ma' and 'Ga' Forms (Intelligence Test—  
M and G Forms) by M.N. Kulkarni and G.R. Naik**

The test is presented in two forms captioned as 'Ma' and 'Ga' presumed to be parallel forms. However, the contents of the two forms do not justify the presumption. The types of items included in the two forms are essentially different. They may, hence, be taken as two independent tests. Form 'Ma' contains 65 items of 16 types while from 'Ga' contains 100 items of 12 different types.

The manual gives only the direction for administration, keys, and tables for converting the raw-score into mental ages.

In the absence of technical data regarding details of test construction and validity, the test is not considered safe for general use.

The reviewers also feel that the tests should have been printed in a more presentable form.

( 1237 )

**Samoochika Buddhi Parikshan (Group Intelligence Test in Hindi) by Prayag Mehta**

The test under review is a verbal group test of intelligence for the age group 12-14 years. The test consists of 60 items of different types such as logical selection, analogies, best answers, information, disarranged sentences, number series, classification, absurdities, inference, arithmetical reasoning. There are 6 items under each of these 10 types. The author started with 100 items spread over 10 types, each having about 10 items, and in the final form 6 items in each type were retained. It would have been desirable for the author to have started with about double the number of items in the initial sample so that he could have a larger range of items for selection. Since the reliability of a test depends on the number of items, one would have wished that the author had included more items in each of the sub-tests.

The test was standardized on a sample of 182 dupils but no data have been reported by the author on the nature and representativeness of this initial sample. The scrutiny of item-analysis data reveals that nearly 50 per cent of the items have the pass percentage of only 20 and the test fails to have evenly distributed difficulty levels. Again, percentage of success for each of the distractors has not been calculated. This would have enabled the author to select more discriminating and competitive distractors, thus making the test more valid.

The sample for preparation of norms has been drawn from the age groups 12-14 years in school grades VII to X. It is claimed by the author that the sample has been drawn on the basis of stratified sampling technique, but the rationale and criteria for stratification are not mentioned. The rationale for including 6 schools from area A and 11 each from areas, B, C and D differing in density of population, industrial and geographical factors has not been made clear by the author. In principle more schools should have been drawn from category D than from B and C.

Again in the final sample the ratio of government schools to private schools is 7 : 1. The reasons for selecting the schools in this ratio have not been reported.

**Reliability**

The split-half reliability of the test is reported to be .879 and .930 after correction by Spearman-Brown formula. As the author points out, the test is not sufficiently reliable below twelve years as the reliability coefficient is .75. The reliabilities for the various age groups range between .81 and .90 and standard errors of measurement between 3.2 and 4.0, showing that the test is not very reliable at certain levels. The critical values of the standard error of measure-

ment for evaluating and interpreting the significance of the obtained reliability coefficients have not been presented by the author,

### Validity

The test was validated against the annual school marks of the examinees. The correlation with examination marks is reported to be  $.440 \pm .017$  which is not high enough. It is rather surprising to note that this Hindi test of intelligence is a better predictor of success in English language than in Hindi language. On a priority grounds, one would have expected the test to correlate more highly with school marks in Hindi rather than in English. This may mean that content validity of this test is rather doubtful.

From the point of view of construct validity no systematic examination appears to have been made of the functions and processes to be tested by each of the item-types.

As regards the scoring of the test, the author has not made any allowance for correction by the use of the formulae  $R = W/n - 1$ . In test no. 3 there are three alternatives while in others there are 4. One would have expected that the scoring procedure would have taken into account the variation due to number of distractors employed.

The test has been standardized on some 1800 children. Age norms for the ages 12 to 14 and grade norms for grades VIII to X have been made available by the author. This is very useful.

Since the test appears to be of low reliability at certain levels and also of low validity, there is need for cross-validation studies which alone will prove the worth and usefulness of this test in guidance and counselling.

The test has been published by the Manasayan, Delhi. Answer books have been separately printed to facilitate stencil scoring.

( 1240 )

**Verbal Intelligence Test (Test of General Intelligence) V.I.T.I.  
by S. M. Mohsin**

The instructions for administering the test are given in the manual. Instructions for scoring and weighting the test items are also given. However, the validity and reliability of the test are not mentioned.

Instructions are printed in bold type but the items proper are printed in smaller types. A separate answer sheet is provided which admits of a punched scoring key.

Norms are not provided in the form of raw scores in the manual. The manual does not give any information about the interpretation of scores.

( 1241 )

**Test of General Intelligence (Verbal Test of Intelligence)**  
**by S.M. Mohsin**

The test contains the usual types of sub-tests found in a verbal group test of intelligence.

Percentile norms and deviation I.Q.s have been developed for 14-years old pupils of class VII and above. The test is to be used for discrimination among pupils in the said group in the ability-range above the median. There may be some difficulty in the interpretation of the scores obtained on the test because children within the age range of 14 and above have been grouped together, so that the same I.Q. or percentile score will have to be given to pupils in the 14-16 years range when they obtain a particular score. The test should be used with this limitation in view.

( 1247 )

**Sadharana Manasika Yogyata Pariksha (2-60)**  
**(Group Test of General Mental Ability in Punjabi)**  
**by S. Jalota and Indira Bhan Singh**

This is a group test of intelligence in Punjabi for age groups 11 to 16. The test has 100 items of familiar types, viz. synonyms, opposites, number series, classification, best answer, reasoning and analysis. The test has a separate answer sheet and can be used more than once. The test proper is preceded by a set of practice exercises, which is a highly desirable procedure.

The manual of instruction includes some particulars about the test, centile norms for age 11 to 16 and C-scale norms for modal age-grade groups over grades 6 to 10. The instructions to the administrator are elaborate and clear, including how to administer, score, and interpret the test score.

Eighty per cent of the items have been borrowed from the original test of the senior author. The remaining 20 per cent (the language items) were constructed afresh for the group. The selection of items was made on the basis of difficulty values obtained from a group of 500 children over grades 8—10. The manual does not indicate whether any attempt was made to check the discriminating efficiency of the items.

One wishes for more information about the sample selected for norms. The readers are not taken into confidence about the procedures of selection. While it is mentioned that the composition of the sample from rural and urban areas is in the ratio of 1 : 7, there is no indication whether or not this is representative of the total population. We are left completely in the dark as to whether the test is applicable to both boys and girls or whether the normative sample consisted of a single sex. The statement about the samples from rural and urban areas being no different from each other was of particular interest to the reviewers (because it is so different from the usual experience) and they wished in vain for more data or authors' comments.

There is no difference in the norms for age groups 11 and 12 (page 4, centile norms for various age groups). This could have been brought to the notice of the test users. The test appears to be best suited for age groups 12 to 15.

The odd-even reliability coefficient is given as .93 ; the size and the nature of the sample is not given. The validity coefficients (criterion being school examination marks) range from .413 to .500. One is again left wishing that more information were made available to the readers, e.g. the size of the sample, the average score of the sample or the way in which school marks were used, i.e. whether the coefficients were worked out on data from single schools or the scores obtained from different schools were pooled together.



The coefficient quoted above looks reasonable otherwise. However, the test-retest reliability should be ascertained. Useful information about inter-element correlation and g-saturations are given for the more sophisticated readers. Rotated simple structure by oblique rotations indicates three specific factors, namely reasoning, vocabulary and education of relation.

This, being a recently developed test, no data are available on its actual use in various situations.

( 1248 )

**Sadharan Manasika Yogyata Pariksha (1-60)**  
**(Group Test of General Mental Ability in Hindi) (1960 revised edition)**  
by S.S. Jalota

This is a test of general intelligence applicable to the age groups 12 to 16. It is a verbal group test with 100 items of seven types : synonyms, opposites, number series, classification, best answers, reasoning and analogies.

The whole test takes 20 minutes for subjects to complete and about 15 minutes for the examiner to explain the task.

Item-analysis is stated to have been carried out on the basis of responses of 206 students of grades VII to XI but the details of item-difficulties, E/13 values and descent of items, etc., which could give a better picture are not available. Hence it is difficult to say how the test-items discriminate at different levels.

The test has been standardized on 1341 students of grades VIII to XI of the city of Banaras. It is not known how the schools were selected and whether the sample was really a representative one. The sample is not large enough, though the reliability and validity coefficients obtained happen to be satisfactory.

The Kuder-Richardson reliability of the test is quoted as .938 which is fairly high. The validity of the test has been calculated by correlating the test with school marks and the validity coefficients range from .50 to .78 which, in view of the unreliability of school marks, appear to be satisfactory. An encouraging point is that the test has been used at several places by several persons and the manual says that the results have been found quite satisfactory by the users. By now, as the author claims, the test has been applied to over 18000 school-going students in some 70 studies. This satisfaction in practical use may enable the counsellor and psychologists to have some confidence in the test. One factor-analytic study of the test has reported the g-saturation of the items ranging from .51 to .85. Another factor analysis of the test could bring out three distinct factors, reasoning, relations, education and verbal.

Grade norms and age norms have been given in centiles which are based on a sample of 1341 subjects. Norms are available separately for grades VIII to XI and for ages 13 to 16, which adds to their utility.

( 1250 )

**Allahabad Intelligence Test by Sohan Lal**

The test is meant for children of 11 years of age studying in class VI and above. The test consists of 11 sub-tests. The author has not validated the test. The split-half reliability of the test was found to be .94. The test was standardized on 1419 children of 11 years of Government High Schools of Agra and Oudh. Fifty eight schools from 54 different towns were included.

The instructions for administering the test are given in the manual. The correct answers to the test items are also given. The scoring is very simple and does not require any special skill.

**Norms :** The IQ equivalents for the raw scores are given for all the twelve months of the age group 11 plus. The classification of IQs into seven different levels is given.

No information as to the use of test at present is available.

( 1402 )

**Draw-a-Man Scale for Indian Children**  
**by Pramila Phatak**

This is Goodenough's well known test with a new scoring scale developed by Dr. (Smt.) P. Phatak and published by the Faculty of Education and Psychology, Maharaja Sayajirao University of Baroda in 1958. The relevant material can be had from the Anand Agencies, 1433 A, Shukrawar Peth, Poona-2. There is no mention anywhere as regards the price of these materials.

The author of this new scale was not satisfied with Goodenough's original scoring scales, as she found that by using it on a sample of 60 boys, coefficient of correlations between scores on the test and mental ages obtained by using Kamat's test came out to be  $.45 \pm .061$ . She, therefore, modified the scale partially. This simple revision led to the correlation of  $.43 \pm .07$ . She has, therefore, devised a new scheme of scoring which appears to be objective as the correlation of her own scoring with those of three other independent scorers were about .88.

She claims to have effected an improvement in the method of scoring not only because it is fairly objective but also because it is more valid as appears from the correlation of  $.62 \pm .038$  with a total group of 115 boys aged six, seven and eight years, including the original 60 boys of age seven. She has not, however, indicated the corresponding correlation in respect of the original group of 60 boys of age seven. So it is difficult to say how far the increase in the correlation coefficient between the test scores and mental ages on Kamat's test is due to the increased age range (six to eight) of the group. She has not, therefore, succeeded in proving that her method of scoring is better than Goodenough's in our Indian environment (may be, in the particular area). Even then the method appears to be promising and is worth trying in other areas, of course, supplemented by a comparison with Goodenough's original method.

The test-retest reliability of the scoring scale (based on the performance of 35 boys after 22 days) is stated to be  $.817 \pm .041$ . This does not appear to be a merit of the new scoring scale itself but of the stability of performance of the boys themselves.

The author has included grade norms for the grades 1, 2, 3 and 4 on the basis of application on groups of about 130 children each, 'from schools where grade placements are normal'. She has also given age norms from below three to eighteen years. They are however based on the application on age-groups of six, seven and eight comprising 200 children each and the norms in table 5 have been obtained 'by smoothing the curve and extrapolating it at both the ends'. This does not appear to be justified specially at the upper age levels. She has, however,

admitted that the 'test can be used as a quick measure of intelligence of children from five years to nine years of age, but for critical individual study the findings of the test must be supplemented by some other tests of intelligence, specially constructed for use with individuals'.

( 1404 )

**Adaptation of Jenkin's Non-Verbal Test No. 1, T5**  
**adapted by the Central Institute of Education, Delhi**

This test consists of five sub-tests with 85 items. But the nature of the sub-tests is not clearly stated except in the case of the last sub-test which is mentioned as an analogies test. Sufficient practice items have not been given in each sub-test. It is desirable to include some more practice items.

The total score distribution as well as the graphical representation of the same show positive skewness. This is true of both, boys and girls. This may be due to various factors. In the first place the positively skewed distribution gives the impression that the population on which this test is standardized is not representative.

An examination of the items composing the test shows that certain items are difficult at least for certain age levels for which they are adapted (8, 14, 15 etc. of sub-test I.). Certain other items do not discriminate between various age-levels and, therefore, their inclusion in a test like this is questionable (9, 16 etc. of sub-test I). The scores of certain items do not show any improvement with age (18 of sub-test III). Certain other items are, again, hard for the different age-groups (16 of sub-test III) and, therefore, do not discriminate. Item No. 14 of sub-test III does not show any discrimination power.

All these difficulties are due to the retention of items which should have been either modified or rejected on the basis of item analysis. If the test is revised by retaining some of the items like 8, 10, etc. of test II which possess high discriminatory value and if necessary by adding a few more items which would satisfy the said criteria, this test could be used as a good non-verbal test of intelligence.

Age norms as well as grade norms are prepared. Since the correct age of children is not available in many cases in India, the age norms prepared are not dependable. The norms are given in standard scores as well as in percentiles.

There is no clear indication in the manual as to the objectives for which the test is devised, excepting that the preparation of this test would facilitate the finding of norms for our children on a culture-free non-verbal test of intelligence. It would have been better, if the authors had been more specific and clear with regard to the mental function or processes which they propose to measure by means of this test.

Split-half and test-retest methods have been employed for calculating the reliability of the test. Split-half reliability ranges from .89 to .96 for various ages and this is satisfactory. Test-retest reliability varies from .83 to .94. This compares well with those reported by the users of the test in Australia and other places.



The criteria against which the test is validated are (1) teachers' ratings and (2) correlation with a C.I.E. verbal test. We cannot very much rely upon the teachers' ratings. The correlation obtained between this test and another C.I.E. verbal test is .71 which is high.

The authors do not mention anything about the processes involved in performing on this test. But as we have hinted earlier the processes or factors involved here are complex or at least beyond the comprehension of the testees on whom this test has been tried. No attempt seems to have been made to find out the predictive validity of this test.

Tests of this type which can be administered within a short school period are of very great help to teachers and counsellors. Moreover, this test being non-verbal and culture-free can be recommended for use all over India provided the test is properly revised and standardized.

( 1419 )

**N. V. T. I. (Non-Verbal Test of Intelligence) by G. H. Nafde**

This test, as the name indicates, is a non-verbal test with 80 items consisting of four sub-tests, namely (i) analogies (ii) water reflection (iii) series test and (iv) classification. This is a new venture. The earlier tests were either individual or verbal in character and as such they are subject to certain limitations. Individual tests, though more diagnostic and reliable, cannot be applied on a large scale and, therefore, cannot satisfy the teachers or counsellors who have large numbers to be tested in a short time. Such verbal tests cannot be applied on different language groups. This test is an attempt made by the author to satisfy the need of teachers and counsellors for a handy tool with which they can assess the mental abilities of children on a wider basis. This also seems to have prompted the author to give the instructions in four languages, namely English, Hindi, Gujarati, and Marathi.

The author seems to have taken particular care in the selection of sub-tests and the choice of items. As he states, he has arrived at these four sub-tests 'after experimenting with various types of test items of non-verbal character' without mentioning as to whether they are exhaustive in tapping the global ability or intelligence. However, all sub-tests are of proved validity and reliability.

The manual indicates that the author has followed in a general way the principles of test construction. He has selected 20 items for each sub-test out of a large pool of items which he had collected and constructed. Though the author mentions that he has used more than one method of item-analysis in selecting the items for the final form, he has not mentioned the details of such methods. The manual also does not provide any data with regard to the effectiveness of the sub-tests or the discriminating capacity of the items.

The final form of the test was administered to 9000 students of different colleges and schools out of which he has chosen only 7500 for the preparation of norms. Age norms have been prepared only for the sample from Bombay city and mofussil high schools where the date of birth of candidates was available. The author has not given any information with regard to the sample size used for the standardization.

This test is validated against school marks, teachers' judgements and five other tests. Correlations with other tests especially show that this is a valid test.

The factorial composition of the test, according to the author, suggests that it is a unifactor test. Even though he does not explicitly state that this is 'g' or general factor, the impression given is that it is a test highly loaded with this factor which is commonly referred to as general ability or intelligence. But the

data do not warrant such a conclusion. First of all such a picture is not likely to emerge in the centroid method of extraction. Here the author seems to have stopped the analysis with the emergence of the first factor without taking into consideration the necessity of testing the residual correlations for their significance. If that is so, further extraction is likely to give some other group factors. Moreover, he has neither rotated the factors nor tried to interpret them meaningfully. Therefore, the factorial validity reported by the author is questionable.

The split-half and test-retest methods applied give sufficient evidence to show that the test is reliable.

Age norms as well as class norms are provided. This test can be recommended for general use provided the norms are prepared afresh on a larger sample.

( 1603 )

**A Group Test of Intelligence in Bengali**  
**by Bureau of Educational and Psychological Research,**  
**David Hare Training College, Calcutta**

This battery of tests constructed by the Bureau of Psychological and Educational Research of the David Hare Training College, Calcutta-19, was constructed to solve the problem connected with offering guidance in secondary schools for the pupils of class VIII. The test material is obtainable from the Bureau on request.

Though the battery is designed for use with class VIII students it could also be used from class V to class X. It is composed of two parts (booklets) with 3 and sub-tests respectively. Total time allowed for these two parts is 25 and 21 minutes respectively. Each of the sub tests covers different modes of intellectual activity. Sixty per cent of the items included in the battery have difficulty values between 40 and 60. The manual presents the mean scores and standard deviations for this battery for boys in grades VI to X. The mean score for the VIII grade is 23.07. The gradual increase of the mean scores from grades VI to X indicates that items of varying difficulty are included and it seems that they are also arranged according to their difficulty value.

It appears that several revisions were tried out in order to bring about improvement in the test and the steps taken in this direction are well thought out. However, though the data were collected from both boys and girls, there is no mention whether or not sex differences were observed. It is only if some study was made and no differences were found, that the data could be pooled together and common norms prepared.

The split-half technique was used for calculating reliabilities and a coefficient as high as .97 was obtained. 'In order to arrive at an estimate of the factorial validity of the test, the coefficients of correlation between the scores on sub-tests (of each section) and the total scores (of each section) of the test were obtained.' But this seems to be an example of internal consistency and not of factorial validity.

For determining the validity of the battery, test scores were correlated with examination marks of the pupils in the major subjects such as Bengali and Mathematics. The correlations thus obtained ranged from .17 to .65, with an average of .46. This might be considered as quite encouraging. But in view of the fact that there is considerable variation in the validity coefficients from one institution to another, it seems advisable for the different organisation using this battery to develop their own norms. It might be of great help if the author could indicate

from which types of institutions he got satisfactory validity indices: in that case separate norms for the other types of institutions could be developed.

Another point that needs to be mentioned is that in some of the sub-tests the number of items are too few and it would be desirable to add a few more items in those sections.

To sum up, this battery seems to be quite a good one, and a considerable amount of thought and effort have gone into its construction and later improvements. It can be recommended for use with the population for which it has been designed, but it would be desirable if the institutions using the battery developed their own norms.



( 2410 )

**The Allahabad English Test by Sohan Lal**

The test was constructed and standardized by Sohan Lal and published by Kitabistan, Allahabad, in 1948. The test manual costs Re. 1/- but the cost of each test-booklet is not known. The time required for the administration of the test is 45 minutes.

**Validity**

No data regarding the empirical validity of the test are available.

The author says 'This is a Verbal Test of Intelligence devised after the pattern of Moray House Tests (Edinburgh University)', but the content shows that it is mostly a test of achievement in English. There are 100 items of various types such as comprehension, vocabulary, grammar, punctuation, usage, spelling, etc. of graded difficulty.

The test was constructed primarily for the 11-year old children of U.P., studying in class VI and above. But it appears that because of the changed circumstances since the publication of the test, it may not be found suitable even for children of 13 years, having in mind the fact that the standard of achievement in English has gone down and the introduction of English was deferred, until recently, till Class V, even in U.P.

**Reliability**

The split-half reliability coefficient is reported to be .91 but the nature and the size of the sample on which it was based are not indicated.

**Norms**

The test was standardized on a sample of 1419 (including only 34 girls) 11 years old children of 58 government high schools from 54 different towns and cities of U.P. Evidently it was standardized on a selected population. The sample represented sexes, religions, geographical regions and various professions but none of these is proportionately represented. The norms are given in the form of E.Q. (English Quotient) and the manual includes tables for converting the raw scores into E.Q's. The author mentions in the preface that SD of E.Q's was assumed to be 15. The interpretation of E.Q's follows the pattern of the usual classification of I.Q's.

**Other Observations**

The manual has been carefully prepared and the instructions for administering and scoring the test are quite clear. However, it is felt that more information regarding the special uses of this test should be available. A revision is needed before the test can be recommended for use.



( 2411 )

**Coimbatore Standard Test in English****by M. Aram and P. Rangaswamy**

The test has been prepared by the Research Department, Rama Krishna Mission Vidyalaya Teachers College, Coimbatore. It is one of the series of achievement tests in school subjects constructed and standardized under the provision of a grant made by the Government of India, from October 1954 to April 1957. The research project was conducted under the guidance of Dr. M. Aram.

The date of publication of the test together with the manual and of a monograph entitled : 'Construction and Standardization of Coimbatore Achievement Test' are not known, and since the test is not priced, it is doubtful if it is available for wide use.

The test is divided into two parts. Part I consists of tests in (1) language usage with 41 items, (2) spelling with 42 items, (3) punctuation and capitalization with 27 items. Part II consists of tests in the (4) reading comprehension with 43 items ; (5) vocabulary with 46 items.

The total time required is 125 minutes. This includes 10 minutes for distributing papers, reading directions, etc. for each part and separate timings for different sub-tests.

**Validity**

The test was 'designed to measure important outcome of instruction at the end of the middle school stage' and is meant for III form or class VIII of the high schools, middle schools, senior basic schools and higher elementary schools in the district of Coimbatore.

Statistical validity has not been calculated but the way the test has been developed has ensured curricular validity. A subject committee on English including teachers actually teaching the course worked upon the objectives, key skills and tests so that 'a sample of all the important elements of the course' was included in each test.

Very few achievement tests in this country have been so carefully planned as the present one. As a matter of fact the monograph referred to earlier will be helpful to workers in the field of achievement tests.

**Reliability**

The split-half reliability coefficients for Parts I and Part II are reported to be 0.82 and 0.96 respectively. Perhaps these were based on the total group of 1086 students of 20 schools in Coimbatore district. Because of the variation from

school to school one would like to know the range of reliability coefficients in different schools.

### **Norms**

The test was standardized on a 'student population of 1086 on a representative sample of 20 schools in Coimbatore district'. There is a discrepancy in the number of schools mentioned in the top line on page 19 and number of schools selected for final testing on page 9 of the manual. However, it appears from Table I analysis of data about schools that the sampling was done carefully. 'Stratified random sampling procedure was adopted.'

There kinds of norms have been provided in this Manual of Directions, viz., Mean, Median and Percentile Ranks. In addition SD of raw scores has been calculated for each of the five tests.

### **Other Observations**

The Manual of Directions has been very carefully prepared. Uses of the test results and some suggestions for remedial work have added to the usefulness of the manual. Considering the fact that the authors of the test do not claim the applicability of the test beyond the district of Coimbatore it can be said definitely that teachers of English in Coimbatore will find the test a very useful tool.

( 2412 )

**English Test by B.R. College of Education, Agra**

The tests are designed to measure the understanding and written expression of pupils of class VIII in Agra district in the English language.

The test makers first settled the objectives and behavioural patterns with regard to vocabulary, comprehension, spelling, grammar and translation. The selection of vocabulary to be included in the tests was carefully made. After the items were selected three try-outs were undertaken in which item-analysis was carried out by the upper and lower third method. The manual, however, does not supply the data on item analysis.

**Validity**

The validation of the test was done on the final draft of the test by correlating the total scores on all the three tests with the average marks in English of 537 pupils at their half yearly and annual examinations. The nature of the sample is not described. The coefficient of correlation was found to be .37.

**Reliability**

The reliability of the test was determined by the method of Rational Equivalence. The nature of the sample is not described. The reliability coefficients were found as under :

Part I	.87
Part II	.902
Spelling test	.96

**Norms**

The norms group consisted of 1200 pupils from 25 institutions. The details of the norm group are not supplied. Norms are given in the form of percentiles. Tables for converting the raw scores into percentile scores are given.

**Other Observations**

The details regarding the administration of the three tests are given elaborately. The key for scoring the test is supplied.

As regards the format of the test booklets, some items are arranged for scorer's convenience, rather than for the pupil's.

Even though the empirical validity of the test is not appreciably high the test appears to have a fairly good content validity, considering the fact that the objectives were defined and the items coined with the help of teachers who actually taught the subject. The test is likely to be useful in the area and the group for which it is intended.

( 2607 )

**Jamia Achievement Test (Hindi Parikshan)**  
by C.K. Barathonia

The author has done well to explain the rationale of the test in the manual. The items are constructed to test the six objectives of teaching mother-tongue set out on page 5 of the manual. The test gives a larger weightage to the written expression, as items in grammar, spelling, written expression and letter writing from 58 per cent of the total length while appreciation of prose and poetry, acquaintance with literature and reading comprehension are only 20 per cent of the total test. The vocabulary items may be considered equally applicable to the ability to read as well as write. The items are of various kinds including matching exercises and true-false types, which to the reviewers seems to be a handicap of the test.

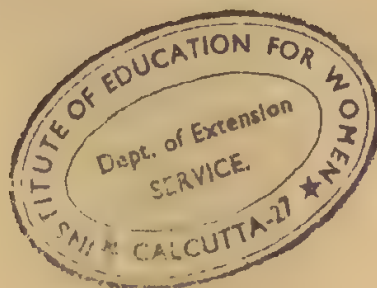
Item-analysis data look reasonably satisfactory.

The sample for norms is small, mainly (perhaps) because the population of children in the senior basic schools, itself was quite small a couple of years ago.

The split-half reliabilities range from .83 to .90 which appear to be satisfactory. The only indication of the validity of the test is the plan of the construction. Percentile norms are given for classes VI to VIII.

The test looks promising but more work may be done on it. For example, its relationship with achievement in Hindi as measured by teachers or by some other standardized tests in Hindi may be studied. Fresh norms on a larger sample may be worked out. Test-retest reliabilities may be checked.

The median score rises well from class VI to VII but the rise from grade VII to VIII is not very high. Its utility for the eighth grade level may be ascertained on another sample.



( 2608 )

**Hindi Yogyata Priksha, T7**  
**by Central Institute of Education, Delhi**

This is an achievement test in Hindi meant for the students of class VIII whose medium of instruction has been Hindi. The test was constructed and standardized in 1960.

The test consists of six sub-tests : reading comprehension, word-meanings, meaning of proverbs, sentence-structures, diction and spellings. The total number of items is 100 which includes 17 for reading comprehension, 25 for word-meanings, 14 for word meaning of proverbs, 8 for sentence-structures, 20 for diction, 16 for spellings.

The test is a power test and hence is not strictly timed. Only 'a generous time-limit' of 60 minutes has been fixed.

One is happy to note that the construction of test items is based on quite an elaborate procedure for all the sub-tests. This makes the content of the test more effective and meaningful.

Item-analysis is based on a population of 160 boys and 174 girls of class VIII. About 50 per cent of the items have difficulty indices between .40 to .59. Distribution of difficulty indices appears to be satisfactory.

The test-retest reliability of the test has been quoted as .89 for N 88. This is quite satisfactory. Corrected split-half reliabilities for boys and girls have been quoted as .95 and .93 respectively. However, the sample sizes for calculation of these coefficients have been small and more information about these is warranted.

Internal validity coefficients have been calculated in terms of the rise in the average score from Class VII to IX which is claimed to be satisfactory by the authors. But the correlation of the test with the school marks in Hindi is only .69 which is not high enough. But in view of the unreliability of school marks, it may be considered acceptable.

The manual gives percentile norms for boys and girls of class VIII separately which have been prepared on the basis of a sample of 3470 children including 1932 boys and 1538 girls. Though the size of the sample is quite satisfactory, it is difficult to say whether it is representative of the total population of Hindi-medium students of class VIII of Delhi. Sampling does not appear to be adequate for several reasons. It is a doubtful whether systematic sampling within a zone will yield a representative sample.

On the whole the test appears to be quite promising and for the time being seems to be one of the best tests in the field as more and more cross validation studies are made the test may prove its worth.



( 2610 )

**Scholastic Attainment Test (Hindi Language No. 8)**  
**by Educational and Vocational Guidance Bureau, Bihar, Patna**

This is an achievement test in Hindi. It includes items on structure of sentences, proverbs, word meanings, grammar and opposites, etc. It is preceded by a number of varied practice exercises which is commendable. The number of the questions is very inconvenient. Each sub-section starts with fresh numbering, sometimes with numericals and sometimes with letters which is not desirable.

Elaborate instructions for administration are provided in the manual with a key for scoring.

This test is standardized for VIII class on a sample of 500. Split-half reliability coefficient is .88 which is not very high. Scores on this test correlate to the extent of .36 with marks in examination.



( 5206 )

**Scholastic Achievement Test (Ganit No. 2)**  
**by Educational and Vocational Guidance Bureau, Bihar, Patna**

The test is intended to be an achievement test in mathematics for pupils of class VIII in the schools of Bihar. In all, there are 55 items including both computational exercises and reasoning problems. The computational exercises include multiplication, subtraction and addition of hours, minutes and seconds; yards, feet and inches; maunds, seers and chhataks. The problem-exercises also make use of these measures. There are also arithmetical problems which are purely of reasoning type. Some problems in geometry dealing with angles are also included. The time for the administration of the test is 22 minutes which is quite appropriate from the point of view of testing in schools.

The test was standardized on a population of 500 students only, which is rather too small for the purpose. The reliability reported is .92 by the odd-even method.

From the point of view of the types of items used, the test can be very well considered to be a developed ability test rather than a test of pure achievement.

The functional utility of the test is restricted at present due to the lack of adequate information about reliability, validity and method of standardization. Until the manual is printed, giving details about these points, the test cannot be put to much practical use. The test in itself, however, presents a good example of an objective test in mathematics and can be used by research workers.

The format and the typography of the test leave much to be desired. For example, placing of two and sometimes more than two dots for a missing digit leads to confusion; only one dot should have been there for a missing digit or else three dots could be placed in close proximity to denote the missing digit. The type is too small so far as figures are concerned and may lead to error in calculation. The practice items and the actual test items are on two pages facing each other and this situation is likely to encourage cheating.

( 5215 )

**The Allahabad Arithmetic Test by Sohan Lal**

This test was prepared for 11-year old students, and is recommended for children studying in class VI and above. It is devised after the pattern of Moray House Tests, and is standardized on the results of 1425 students of government high schools in U. P. The sample is quite adequate.

The test is in two parts each of 15 minutes duration. The total number of items is 100. No information regarding item-analysis and standardization is available. Further since quite a number of items dealing with measures and currency are in the old terms, they need to be thoroughly revised to bring them in line with the present measures. The reviewers are of the opinion that if the test is to be of any functional utility now, besides the revision of items, an item-analysis and re-standardization would be necessary. The test at present is of academic interest only.

( 5707 )

**Mathematics Tests (Arithmetic, Algebra and Geometry Tests)****by B.R. College of Education, Agra**

The tests are meant for pupils of class VIII to be administered towards the end of the year.

The curricular validity was considered by the authors during the preparation of the tests. The empirical validity of the final tests, when school marks in mathematics were used as a criterion, was found to be .4. The sample consisted of 690 pupils.

The reliability was determined by the method of Rational Equivalence. The reliability coefficient for Arithmetic test was found to be .92, for Algebra test .98, for Geometry Test .9.

The manual is prepared in English with general directions for administration. The format of the test booklet is attractive.

The scoring is very simple. Correct answers to the test items are given in the manual.

Percentile scores for raw scores are given in the manual.

The tests can be used for knowing the attainment of pupils of class VIII in mathematics.

( 5708 )

**Jamia Achievement Test (for Senior Basic Schools, in Mathematics  
by Institute of Rural Education, Jamia Millia Islamia, New Delhi**

This is a test (in Hindi) of achievement in Arithmetic for use with standards VI, VII, and VIII of basic schools. The same test is used for all the three standards but with varying time limits ranging from 85 minutes to 90 minutes determined empirically. It is observed that the time limits are the same for standards V and VI though norms differ widely.

The test consists of three sub-tests which may broadly be categorized as (i) computation, (2) concepts and (3) problems. There are no separate time limits for the sub-tests. Practice problems of each type are provided at the beginning of the whole tests. As the reviewers do not have the syllabus for reference it is not possible to say whether it has been entirely and adequately covered. The items are generally good and graded.

The manual gives directions for administration, scoring and norms. It also gives the mean and median scores for each standard, and reports reliability. It would have been better if the standard deviations were also given for each distribution to make the mean and median more meaningful. Norms are given in deciles for each standard. Apparently there is a significant rise in the scores from standard VI to VIII. It is curious that a score of 60 (in standard VI and VII) and 70 (in standard VIII) is given as 100th percentile when the maximum possible score is 90, (P99) therefore, may have better been given. Also there is a big jump in the scores from P90 to P100. For discrimination at the higher level intervening percentiles should be given. It may be that the size of the sample is very small which may explain the big jump from P90 to P100 in the norms.

The split-half reliability coefficients reported are .87 (for standards VI and (VII) and .88 (for standard VIII). It is felt that the test-retest reliability coefficients would have been more useful. Again the size of the sample is not known. Validity has not been found. The reasons given are lack of other standardized tests, lack of time and finance. The test is already getting obsolete in parts due to the changes in the coinage, weights and linear and volumetric measures in the country.

( 5901 )

**Non-Verbal Science Selection Test (Preliminary Edition)****by S.K. Roy Chaudhury**

This test battery consisting of three separately timed tests was constructed by S.K. Roy Chaudhury, Counsellor, Raisina Bengali H.S. School, New Delhi and published by Manasayan, 32 Faiz Bazar Road, Delhi in 1959. The cost for a set containing 25 copies of each of the three tests and a manual is Rs. 38/-. The time required for administering the battery is an hour in all (25m, 10m, 25m). The following three tests comprise the battery:

- Part I — Scientific Comprehension, containing 40 items.
- Part II — Space relations, containing 30 items.
- Part III — Numerical containing 19 items.  
(although it is stated to contain 20 items).

Separate answer sheets are provided, and it appears that no correction for guessing is contemplated.

**Validity**

The test battery is intended to be used for selection of students for Science course, at the end of class VIII. Table III in the manual presents correlations with four different criteria, viz. teachers' selection, score on mathematics, score on general science, score on Revised Minnesota Paper Form-board, the number of cases being 270, 150, 150 and 60 respectively. The coefficients of .90, .81, .70 and .62 respectively, taken by themselves appear to be quite encouraging, but it is not clear whether the correlations were calculated on the total test score or the respective part scores, e.g. Part I with general science, Part II with Minnesota Form board and Part III with mathematics score. It is not clear what is actually meant by teachers' selection and whether scores on mathematics and General science refer to class examination marks or scores on standardized achievement tests.

The author's contention that 'since final items were selected on the basis of internal consistency and since the results of the reliability studies found split-half and test-retest methods indicate high correlation, it follows that scientific aptitude is being measured' is not at all acceptable. All that can be said is that the three parts taken separately have some internal consistency. Content validity is there, but unless a follow-up is undertaken and predictive validity of the battery is determined nothing can be said about its effectiveness.

The information given regarding item analysis shows that there was not much scope for rejecting the unsuitable items specially in part II. Forty items in part I were selected out of 63, 20 out of 35 in part II and 20 (to be precise 19)



out of 40 in part III. The rejections have been unusually few especially when we find that editing of the items leaves much to be desired.

It may be pointed out that in Part I the drawing presented in item 12 does not appear to be quite satisfactory and in part II the letters A, B, C and D which should have been printed below the four alternative figures have not been printed at all. In part III, in the example given, it is very unfortunate to note that none of the alternatives gives the correct answer. The heading above the groups of problems appears to have no rational basis. For example, the first group containing three items from algebra has no heading. The second group has the heading 'arithmetic', but it has problems from algebra too. The third group of ten items has the heading 'problem' and includes both mechanical and reasoning items in arithmetic. And further the number of total items in the third test is 19 and not 20 as stated in the manual. From the table of norms given in paragraph 5 of the manual it appears that in the three parts the 50th percentile points are much above 50 percent of the raw scores which indicates that the test is quite easy, and it is not clear whether the norms are based on a different sample of 560 students or whether this sample includes the original sample of 270 on which the item analysis was based. It may be that the 270 cases on which the correlation between teachers' selection and non-verbal selection test was based comprise the same original group.

As regards reliability the split-half co-efficient based on 155 students ranges from .82 to .23. Usually the figures are above .9 and it is not clear how this sample of 155 cases was selected. The test retest method gives surprisingly similar correlation values. In the case of numerical test, the coefficient is .84 as against .81 by the split-half method. This is rather unusual.

As regards interpretation of scores the percentile points required for different categories appear to be quite arbitrary, and in Table VI the school marks in percentages obtained in different categories are also shown but how they are arrived at is not indicated, nor is there any indication of the fact that the variations in standards of marking from school to school have been taken into consideration.

The manual is fairly comprehensive but there are obvious mistakes, for example on page 3 we have this sentence 'seats should be arranged....reduced to the maximum.' In the same page one finds that directions meant to be read aloud to the candidates are presented along with other material whereas they should have been made to stand out clearly.

To sum up, most that can be said about this test battery is that it is a good attempt at the present stage but cannot be recommended for use in our schools.



( 5904 )

**Scholastic Attainment Test (Samanya Vigyan) by S.M. Mohsin Educational  
and Vocational Guidance Bureau, Bihar, Patna**

This is a general science non-expendible objective test of 55 items for children of class VII. The testing time is 19 minutes. The author has based the test on the general science knowledge of class VII. The motivation problem is solved to an extent by making the items interesting to the children.

The instructions for giving the test are given to the tester. School teachers who are not well trained in the technique of testing cannot use the test. The reviewer feels that the instructions could have been printed in the body of the test as most children of age 12 can follow written instructions. This would probably improve the reliability and teachers could use the test.

The reliability, validity and the size of the sample on which the test was standardized are given in the Mental Measurement Handbook. However, the test manual does not give this information nor the year in which it was printed.

The answer sheets are well printed. However, there is one misprint on page 6; the total score adds up to 55 and not to 64 as stated.

( 5907 )

**Attainment Test in General Science for Delta Class by Kirpa Narain Saxena**

**Validity :** The procedures of validation are not mentioned in the manual. However, the author states that the test has an empirical validity of .46 and a predictive validity of .57.

**Reliability :** The reliability coefficient of the test by the method of Rational Equivalence on a sample of 365 is found to be .88 and the index of reliability .94. The author has given all necessary instructions for administering the test. The administration of the test is very simple. No practice test is given in the test-booklet. The test is divided into six different groups of items and each group begins with a worked out illustration. The grouping is not done by subject areas but by the pattern of items.

The print used for the test-items is a bit small. The instructions, however, are printed in bigger types.

The instructions for scoring are given clearly in the manual. No scoring stencils are given but the users can easily prepare them from the correct answers supplied in the manual. The scoring is simple. No weightage is given to different test-items. Norms in the form of percentile equivalents of raw scores are given in the manual. The norm group consists of 2190 pupils of 30 schools from 10 districts of U.P.

The test can be used for allocation of pupils to scientific and technical groups in class IX.

( 6201 )

**Geometrical Drawing Ability Test by the Bureau of Psychological and Educational Research, David Hare Training College, Calcutta**

This achievement test in geometry has been developed and published by the Bureau of Psychological and Educational Research of the David Hare Training College, Calcutta, from where it is available. The price is not yet fixed.

The test which forms part of a battery of tests designed to help the teacher-counsellors (career masters) in assessing the different abilities present in the pupils at the VIII class level, measures more or less the pupil's ability to comprehend spatial relations. The directions and the illustrations presented in each of its four parts are quite simple and understandable, and the total time limit is 35 minutes only.

In the information provided, it is reported that the obtained reliabilities range from .73 to .85, but there is no mention whether the various values obtained were based on different samples or whether the different values are for the different parts of the test. If the former is true then some description of the groups concerned would have been welcome. The information available indicates that they come from the VIII class level. But it may be mentioned here that the class VIII level of various institutions varies a great deal. If stratified random sampling had been utilized in choosing the sample then the case would have been different. But there is no mention as to whether this was done, and if that was the case, it was not really necessary to quote the reliability figures obtained from each of the institutions. On the other hand if the obtained reliabilities refer to the different parts of the test, then as these values would be based on a very few number of cases (only 3 items in the last two parts) their values in evaluating the test in doubtful. It would have been better if the author had increased the length of at least the last two parts of the test to some extent.

The fact that the obtained validity coefficients range from .01 to .76 shows that the validity might vary a great deal from one institution to another. Hence it would be advisable that the institutions using this test develop their own norms.

One thing is apparent that as this test was used only on VIII class level it becomes necessary to develop norms for the higher grades before it can be used with them as claimed by the author.

As regards the instructions for scoring given in the manual one point needs correction. After presenting the correction formula the author states that this correction should be done in order to get the 'actual raw scores'. In fact after correction the obtained score should be referred to as 'corrected score' rather than as an 'actual score'.

It is understood that further work in connection with development of the norms is in progress and it is expected that in due course of the time the 'provisional norms' would outlive their utility.

( 6503 )

**Numerical Reasoning Test by Educational  
and Vocational Guidance Bureau, Patna**

The test consists of 40 items, all of number series type in which a pair of consecutive numbers are required to be filled in. The blanks occur in different positions and are not necessarily at the end.

The test has practice exercises. The manual gives elaborate instructions for administrations and scoring keys but no other information is available. The test was standardized on 920 children of 12 to 18 age-group. Reliability coefficient by Kuder-Richardson formula is given as .89. Correlation between scores on this test and marks in Science subjects is .45.

( 6802 )

**Science Aptitude Test (S.A.T.), Forms A and B****by S.M. Mohsin, Educational and Vocational Guidance Bureau, Patna**

This is a group test consisting of three types of items, namely number series (20), reasoning (17), and arithmetic problems (15). The test seems weighted in favour of the number factor and a factor of reasoning, both of which are important components of 'science aptitude' among the VIII class students. As such the test can very well serve the purpose of screening students with good scholastic ability for science. It would be interesting to note here that since the numerical and reasoning factors are important constituents of the general scholastic ability, the two forms of the SAT show quite high correlation, .76 and .71 respectively with the VI developed at the Patna Bureau. The test has a correlation of only .45 with examination marks in physics, chemistry and mathematics.

The manual of instructions and scoring is meant for test administrators and does not give information about the technical steps involved in the standardization of the test.

We think that the data provided by this test should be supplemented by other tests in order to cover the other aspects of science aptitude, especially form relations, abstract reasoning, etc. In its present form its utility is limited to screening or selection of science students in high schools of Hindi speaking areas.

The reliability of the test is reported to be .87 by the odd-even method and .89 by the Kuder-Richardson method. The values are apparently not sufficiently high. If the test is, therefore, to be used for guidance work, this point may be kept in mind.

( 7304 )

**A Predictive Battery of Differential Scholastic Aptitude by M. Verma**

The battery consists of 9 tests. Numerical and verbal tests consist of simple arithmetical processes and vocabulary (Hindi) respectively. Two tests deal with inductive and deductive reasoning respectively. There are spatial and perceptual speed tests as well as a test of physical relations. There is a finger-dexterity test also which seems to measure speed of drawing rather than muscular co-ordination, as claimed by the author.

A report accompanying the manual of the test battery reports multiple regression equations for predicting proficiency in the areas of language, geography science and mathematics, with differential weights assigned to the different tests. The finger dexterity test has only nominal weight for geography and science and perhaps could be dropped without making any appreciable difference to the validity coefficients quoted in the manual.

The rote memory test has considerably larger weight for prediction of proficiency in mathematics as compared to the numerical ability test which should have served the basic function in mathematical proficiency.

Coming to the factor-analysis, the spatial ability and the rote memory tests seem to account for a negligibly small percentage of the total variance. They seem to be loaded with some factors unrevealed in the analysis for the reason that each one is unique of its kind and could be discovered only if a few other tests of the same factor were included in the battery.

Data regarding item-analysis should have been given.



( 8101 )

**P.S.M. Interest Inventory (Hindi) by Vocational Guidance Bureau,  
Prantiya Shikshan Mahavidyalaya, Jabalpur**

The inventory is intended for use with pupils of class VIII for determining their interests for various courses of study at the higher secondary level. The inventory, as the authors claim is the first of its kind to be developed in India and is destined to be a useful tool in the hands of guidance workers. As a supplement to tests of ability, the authors hope this inventory will serve its purpose well.

The inventory is in Hindi and consists of 245 items dealing with six areas of choices, namely, occupations, school subjects, leisure time activities, educational films, things one would like to own, and books one would like to read, each consisting of a set of items ranging from 25 to 70 in number. Each set of items constitutes a separate section of the inventory.

The individual taking the test has to indicate his choice for each item by marking in one of the columns: 'Like', 'indifference', or 'dislike' as the case may be.

There is no time limit for working on the inventory but the testees are urged to work as fast as they possibly can. About 30 to 35 minutes are needed to complete the inventory.

Although the manual is not yet ready, the method of development and standardization of the inventory has been explained in a note published in the 'Guidance Bulletin, Vocational Guidance Bureau of P.S.M., Volume 4, October, 1960'. From what has been said there, it is quite clear that exceptional care has been taken in the development of the inventory and a lot of technical skill has gone into its preparation. The criterion sample has been carefully drawn from 8th to 11th classes and all necessary precautions have been taken to see that the criterion group represents not only successful subjects but also those who are really interested in the course of study as indicated by co-curricular activities and teachers' ratings of interest. Three scales have been developed so far, namely, agriculture, science and technical.

Out of 245 items in the inventory 52 have been found significant for science, 34 for agriculture and 26 for technical. It seems that more items will have to be included in order that the number for agriculture and technical reaches a level at which high reliabilities can be expected. At present corrected split-half reliabilities reported for science, agriculture, and technical groups are .83, .85 and .67 respectively. A point which seems to be clear from the work done so far is that quite a number of items may have to be deleted at the end after scales for all the groups have been developed. So far only about 100 items have been found really effective.

Validity and cross validity studies still need to be done.

To the reviewers the tool appears to be a promising one.

( 8111 )

**Chatterji's Non-Verbal Preference Record by S. Chatterji**

This is an interest inventory which has been prepared on the lines of Kuder Preference Record with certain differences. Firstly, in this inventory the items are in the form of stick-figure photographs instead of verbal statements. Secondly, there is a difference in the system of scoring.

The test consists of 132 items representing various activities of life, yielding scores for the following 8 areas : scientific, fine arts, mechanical, outdoor and sports, literary, agriculture, medical and craft. Each item contains three pictures representing activities from three different areas, with comparable social preference values as determined by a previous study with 800 subjects from several parts of India. The subject is asked to check those which he 'likes most', and which he 'likes least'. Separate answer-sheets are provided and scoring is done by hand.

The inventory has been standardized on the responses of 577 students, a randomly selected group from 947 students of Calcutta and Patna and 254 students from 8 schools of Ahmedabad. The population is defined as students of XI class and hence at the moment this record is applicable to only XI class students.

Reliability coefficients have been calculated by two methods. The 'rational equivalence' reliability coefficients for 8 scales calculated separately for different city-samples range between .41 and .88. The odd-even reliabilities calculated similarly vary from .44 to .92. Reliabilities of the agriculture, literary, medical and craft scales are quite low and can hardly be depended upon.

It is difficult to say what the inventory actually measures. The author has shown how the inventory is related to the Kuder Preference Record. The four comparable scales of the inventory, however, do not correlate highly with their counterparts in the KPR, though the author seems to have translated many of the KPR activities into picture-forms for his inventory. In the absence of any external criterion for validating the inventory, nothing can be said as regards its vocational validity. Again, it is also rather doubtful to say whether the agriculture scale measures only agricultural interests and scientific scale only scientific interests, for several reasons. One most obvious of these seems to be the doubtful content validity of the individual items. Some pictures are vague and ambiguous, and they do not elicit the same responses to the situations as are meant by the author. Two stick-persons standing face to face may be seen by the subject as dancing as discussing or wrestling, and hence the ambiguity of the stimulus makes the test less valid. The author claims the inventory to be culture-fair, but the pictures appear to be such that the subjects would have to be acquainted with the environment of a progressive society in order to understand them.

The author gives stanine norms for grade XI from each of 3 regions, which is a commendable feature of this inventory.

The author, as disclosed by him verbally, intends to revise the inventory in the near future and promises to supply the booklets and answersheets free to interested and qualified persons, if they want to use them on the condition that the data are sent to him for the purpose of further analysis.

( 9102 )

**Indian Adaptation of Rosenzweig Picture Frustration Study for Children  
by Udai Pareek**

The Indian adaptation of the Rosenzweig Picture Frustration Study is a joint product of Udai Pareek and Saul Rosenzweig, the original author, and published by Manasayan, 32 Faiz Bazar, Delhi-7 in the year 1959. It is worth noting that test booklets of this Indian adaptation are available in seven Indian languages, viz. Gujarati, Hindi, Kannada, Marathi, Tamil and Urdu. The manual is in English.

The instrument can be classified as a projective technique and it consists of 24 cartoon-like drawings representing frustrating situations. Although the authors have provided intensive illustrations, it is not free from subjectivity. One character, sometimes a child, sometimes an adult, is shown saying something that causes frustration to another child. The subject is required to say or write what the child in the picture would say in that situation. The test can be administered individually or in groups to children from ages 4—13, both inclusive.

The scoring is complicated and can be done only by a competent psychologist. After the child has written his responses each one is classified according to a rather elaborate scoring scheme and then various sums and percentages are computed. Nine tables in the manual present the norms by age for the scoring categories, the nine scoring factors, the superego factors and patterns, the group-conformity ratios, direction of aggression and type of reaction. Two additional tables provide help in computation. These norms were obtained for the Hindi form of the test and presumably no norms at present are available for the other language versions of the instrument.

The normative sample was 1002 and this is larger than used for Rosenzweig's original standardization. Due to the difference in cultural expectation for boys and girls, the diagnostic significance of a particular response would probably differ. At this time separate norms are not available but let us hope that such norms would be available very soon.

In an instrument of this sort, the problem of reliability is particularly difficult. The test-retest reliability would be expected to be lower than that of an achievement or an aptitude test. The authors themselves report a study showing highly significant shifts in the scores obtained before and after artificially induced frustration. This shift is quoted as an evidence of the validity but it also indicates that the test-retest situation is not a good one for measuring reliability in such tests.

The authors quote 'stability coefficients' from .51 to .78. Internal consistency of the test ranges from .56 to .91. No information about the size of the



samples or the techniques used for selecting samples is given. In the absence of such information the obtained coefficients do not help much in evaluating the instrument. In all projective techniques the reliability of the scorer is a major factor in the overall reliability of the instrument. The authors report that two independent scorers were compared and the percentages of their agreement was .79, and this was increased to .98 after mutual discussion. However, less experienced users of the test might not achieve as good scoring reliability.

The problem of validity is also difficult for there is no adequate criterion. The relation of test scores to teachers' ratings of children's adjustment was negligible.

Similar results have been found in many other studies. When a group of delinquents was compared with the normative sample, the delinquents had much lower 'Group Conformity Ratings'. But it is unfortunate that the two groups were not equated, as has already been mentioned. Artificially induced frustration produced highly significant shifts. The reviewers feel that further studies on validity are essential.

The authors suggest two principal uses of this instrument: (1) The type of clinical and diagnostic understanding of a particular child for which the original Rosenzweig has been used and (2) cross-cultural studies, both of sub-cultures within India and of Indian culture with that of the United States, France, Germany, Italy and Japan and other nations as the norms become available.

The manual has been prepared with commendable thoroughness. It gives detailed directions for administrations and shows extensive sample responses to facilitate scoring. The manual quotes 149 bibliographic items dealing with the Rosenzweig technique. Dr. Pareek offers to make available on request a list of about 30 studies related to this Indian adaptation.

( 9106 )

**Indian Adaptation of Bellak's Children's Apperception Test  
(C.A.T.) by Uma Chowdhury**

The Indian modification of the Children's Apperception Test has been published by Manasayan, 32-Faiz Bazar, Delhi-6. The material put on the market consists of modifications of the original cards developed by Bellak and a pamphlet which includes a brief introduction, a description of the ways in which the cards have been modified, and a very few illustrative responses. In the introduction the author merely mentions that when the original C.A.T. was applied on Indian school children in different parts of Calcutta and the Abor tribes of the North Eastern Frontiers of India, it was found that many of the children found considerable difficulty in indentifying themselves with some of the environmental details. It was, therefore, found necessary to modify the cards and two considerations were kept in mind in doing so : (1) 'That it should be close to the original test so that it can be used as a substitute test for the original and (2) that appropriate changes should be considered as essential in order to fulfil the needs of the particular cultural group for whom the test is meant'. The author also found it necessary to supplement it by introducing new cards to suit the requirements of the Indian cultural milieu.

It is not clear whether this pamphlet is meant to be a manual for the test. It does not contain any information regarding the standardization of the test on Indian subjects, nor anything about reliability, validity or norms and therefore the test cannot yet be considered ready for use on Indian clients. The original C.A.T. has been found promising in the American culture for use both as a diagnostic and a research tool, and it is possible that if further work is done on the Indian adaptation it may also prove to be useful. The reviewers feel that the author or the publisher should have clearly stated in the pamphlet which they have put on the market that the test is in no sense of the terms ready yet for use with individual clients, and should have cautioned the user that decisions affecting an individual's life should not be based on the results of this test.



( 9216 )

**Aligarh Adjustment Inventory (with versions in Hindi and Urdu) by  
Guidance Unit, Psychology Department, Aligarh University, Aligarh**

This is an adjustment inventory being developed at the Department of Philosophy and Psychology, Aligarh University. The typed copy of the report indicates that it contains 90 items. It is largely an Urdu translation of Bell's Adjustment Inventory. There are 20 items each for social, emotional, health and home and 10 items for financial adjustment. A preliminary survey led to the conclusion that it did not discriminate between a known group of 11 adjusted and 18 maladjusted hostel students. An item analysis (entirely unnecessary) supported the above conclusions.

A second preliminary survey was undertaken with 100 items, i.e., with 10 additional items about 'sex', but these were found unworkable and dropped.

The final form of 90 items was printed and data obtained from a random selection of 1200 male and 300 female students of Aligarh University (Age range: 15-28 years).

Nearly 700 students were called for a clinical interview and rated on a 5-point scale. Punched hole scoring keys were prepared for the 5 areas. The individual responses for the said areas were grouped into Part I and Part II, and split-half reliabilities calculated: these range from .77 to .89. Validity was obtained by correlating inventory scores with clinical interview-gradings of 220 persons and finding a contingency coefficient of .71 which is amazingly high. There is insufficient information about the nature and the reliability of the clinical interview.

Tetrachoric inter-correlations were calculated for the five areas. The Social correlated low (.23) with Home and (.24) with Financial. The other inter-correlations are from .53 to .91. Norms have been prepared on the basis of scores at 20th., 40th., 60th., and 80th. percentiles of the distributions giving a 5-grade scale of adjustment (Males 1086 and Females 216).

The reported validity and reliability of this inventory may place it in the promising category. But it will need further research and it cannot be recommended at present for individual guidance.

( 0003 )

**Study Habits Questionnaire by Educational and Vocational Guidance Centre,  
Department of Psychology and Philosophy, Muslim University, Aligarh**

This is an adaptation of the Survey of Study Habits and Attitudes by Brown and Holtzman. Seventy-four items have been translated carefully to retain the essential meaning of the original authors. The responses were obtained on a 3-point scale on the inventory form itself.

For selection of items some students were selected from amongst high achieving and low achieving groups (those getting first division and those getting a third or failing). No other information is provided about the size of this sample.

Chi-square values were calculated from four fold contingency tables (the central responses were omitted) and only those items for which chi-values were found to be significant at 5 per cent level or above were retained in the final form, which consists of 23 items.

The split half reliability on 120 cases is reported to be .85 which is not very low considering the length of the inventory. No more information is available on validity. The norms are worked out from a sample of 150 students which was obtained by adding some students of average achievement to the earlier two groups used for item-analysis purposes.

More information is required about the sample chosen before the utility of the inventory can be commented upon. The reviewers could not ascertain to what populations the norms provided are applicable.

The work done so far can be considered only as a beginning and much more will have to be done before it can be considered a standardized inventory.

## Index of Tests

### A

- 5103 Achievement Tests in Algebra, construction and standardization of (191)  
5101 Achievement Test in Algebra for Standard IX (189)  
5102 Achievement Test in Algebra for Standard X, construction and standardization of (190)  
5208 Achievement Test in Arithmetic (202)  
5207 Achievement Test in Arithmetic for Standard VIII (201)  
5204 Achievement Test in Arithmetic for Standard VIII, construction and standardization of (198)  
5303 Achievement Test in Chemistry (213)  
5705 Achievement Test in Elementary Mathematics (228)  
2413 Achievement Test in English (153)  
2403 Achievement Test in English for Class VIII (142)  
2404 Achievement Test in English for Standard IX of Gujarat, construction and standardization of (143)  
2405 Achievement Test in English for Standard X of Gujarat, construction and standardization of (144)  
5903 Achievement Test in General Science for Standard VIII, construction and standardization of (239)  
4401 Achievement Test in Geography (182)  
4404 Achievement Test in Geography (185)  
4403 Achievement Test in Geography for High School I Year Class (184)  
4402 Achievement Test in Geography for Standard VIII (183)  
4405 Achievement Test in Geography for Standards VIII and IX (186)  
5508 Achievement Test in Geometrical Reasoning (222)  
5506 Achievement Test in Geometry (219)  
5501 Achievement Test in Geometry for Standard VIII (214)  
5503 Achievement Test in Geometry for Standards VIII and IX (216)  
5502 Achievement Test in Geometry for Standard IX, construction and standardization of (215)  
4305 Achievement Test in History for Standard VIII (181)  
4302 Achievement Test in History for standard X, construction and standardization of (178)

---

Note : The number preceding the test is its code number. The number in the parenthesis indicates the page on which information about the test is given. Tests which have been reviewed are indicated by the letter 'R' in the parenthesis, followed by the number of the page on which the review has been given.

- 4101 Achievement Test in Social Studies for Class VI (173)
- 5507 Achievement Test in Trigonometry (221)
- 9217 Adjustment Inventory (403)
- 9214 Adjustment Inventory (Bell), adaptation of (400)
- 9215 Adjustment Inventory (Bell), adaptation of (401)
- 9119 Adolescent Picture Fantasy Test (380)
- 5104 Algebra Achievement Test (192)
- 9216 Aligarh Adjustment Inventory (402, R 488)
- 5215 Allahabad Arithmetic Test (210, R 471)
- 2410 Allahabad English Test (149, R 463)
- 1250 Allahabad Intelligence Test (75, R 454)
- 7204 Aptitude Test for Secondary School Teachers, construction and standardization of (319)
- 5212 Arithmetic Achievement Test (207)
- 5210 Arithmetical Ability of Boys and Girls in Standards V to VIII, comparison of (205)
- 5211 Arithmetical Ability in Primary Schools, measurement of (206)
- 5202 Arithmetic Diagnostic Test 1957 (196)
- 5105 Attainment Test in Algebra for Grade VIII, construction and standardization of (193)
- 5908 Attainment Test in General Science (245)
- 5907 Attainment Test in General Science for Delta Class (243, R 477)
- 5601 Attainment Test in Hygiene for Standard VIII, construction and standardization of (223)
- 5801 Attainment Test in Physics for Grade VIII, construction and standardization of (233)
- 5802 Attainment Test in Physics for Grade X, construction and standardization of (234)
- 9213 Attitudes and Adjustment Inventory for Drivers and Conductors (399)
- 0001 Attitudes of Secondary School Teachers Towards Teaching, scale of (417)
- 0002 Attitude Scale for the Teaching Profession (419)
- 0010 Attitude Towards Professional Training (Teacher's), measurement of (430)

**B**

- 0005 Basic Education : a Scale of Public Opinion (422)
- 2502 Basic Vocabulary of Gujarati Children at 11 Plus (156)
- 6404 Battery of Aptitude Tests for Selection of Craftsmen Trainees (All India experiment) (266)
- 6406 Battery of Aptitude Tests for Selection of Craftsmen Trainees in the Industrial Training Institutes (Delhi experiment) (269)

- 6402 Battery of Mechanical Aptitude Tests (264)
- 6403 Battery of Mechanical Aptitude Tests (265)
- 6409 Battery of Mechanical Aptitude Tests (274)
- 1304 Battery of Performance Tests of Intelligence (93)
- 1302 Battery of Performance Tests of Intelligence (Individual) (91)
- 2201 Bengali Attainment Test (139)
- 5905 Biology Achievement Test (241)
- 1234 Buddhi Parikshan (Marathi Group Test of Intelligence) (52)
- 2414 Burt's Test of English (Reading), development of norms for (154)

## C

- 8111 Chatterji's Non-Language Preference Record (350, R 483)
- 8112 Chatterji's Non-Language Preference Record, development of norms for (351)
- 5302 Chemistry Achievement Test (212)
- 9105 Children's Apperception Test (Bellak), adaptation of (365)
- 9106 Children's Apperception Test (Bellak), Indian adaptation of (366, R 487)
- 1501 C. I. E. Individual Scale of Intelligence (127)
- 1202 C. I. E. Verbal Group Test of Intelligence, T.2 (16)
- 1203 C. I. E. Verbal Group Test of Intelligence, T.3 (17, R 439)
- 1204 C. I. E. Verbal Group Test of Intelligence, T.4 (19, R 441)
- 1212 C. I. E. Verbal Group Test of Intelligence, T.6 (30)
- 6109 Clerical Ability Test (260)
- 6105 Clerical Aptitude Test (256)
- 6103 Clerical Aptitude Test (253)
- 6104 Clerical Aptitude Test Battery (255)
- 6108 Clerical Aptitude Test Battery (259)
- 1418 Closure (117)
- 2411 Coimbatore Standard Test in English (150, R 464)
- 5706 Coimbatore Standard Test in Mathematics (229)
- 5906 Coimbatore Standard Test in Science (242)
- 4102 Coimbatore Standard Test in Social Studies (175)
- 8102 Curricular Interest Inventory (336)

## D

- 6606 D. A. T. Abstract Reasoning Test (Psychological Corporation, U. S. A.), re-standardization of (288)
- 7105 D. A. T. Space Relations Test (Psychological Corporation, U. S. A.), re-standardization of (312)
- 1205 Desai Group Test of Intelligence (20)



- 5205 Diagnostic-cum-Achievement Test in Arithmetic (199)
- 2406 Diagnostic English Grammar Test (145)
- 5213 Diagnostic Test for Errors in Arithmetic (208)
- 5209 Diagnostic Test in Basic Arithmetic Skills (204)
- 1402 Draw-A-Man Scale for Indian Children (95, R 455)
- 1403 Draw-A-Man Scale Performance Tests, application to city children of Gujarat (96)
- 1415 Draw-A-Man Test (Goodenough) (114)

**E**

- 7303 Educational Counselling Tests Battery (327)
- 9218 Emotional Maturity Scale (404)
- 2412 English Test (152, R 466)

**F**

- 0007 Family Planning Attitude Test (426)
- 6903 Finger Dexterity Test (O'Connor), adaptation of (305)
- 1301 Form Board Tests (Goddard) for Measuring the Intelligence of Gujarati Children, adaptation of (90)
- 7104 Form Perception Test of the G.A.T.B., re-standardization of (311)

**G**

- 2603 General Hindi Test 1958 (161)
- 2605 General Hindi Test 1959 (163)
- 2606 General Hindi Test 1960 and 1961 (164)
- 1242 General Mental Ability (64)
- 5902 General Science Achievement Test (238)
- 6201 Geometrical Drawing Ability Test (261, R 478)
- 5504 Geometry Achievement Test (217)
- 1605 Group Intelligence Test for Juniors (136)
- 1254 Group Test of Intelligence (79)
- 1239 Group Test of Intelligence for Gujarati Children (61)
- 1201 Group Test of Intelligence for High School Students (14, R 437)
- 1258 Group Test of Intelligence for Standards V, VI, and VII (84)
- 1603 Group Test of Intelligence in Bengali (134, R 461)
- 1245 Group Test of Intelligence in Marathi for High School Children (68)
- 1222 Group Test of Intelligence in Telugu (40)
- 2503 Gujarati Vocabulary (Language Comprehension), standardization of (157)



## II

- 2609 Hindi Achievement Test (167)
- 2601 Hindi Attainment Test for Class V, P.T.-1 (158)
- 2602 Hindi Attainment Test for Class VIII, B.P.A.T.-2 (159)
- 1105 Hindi Hudugara Buddhimapanavall, adaptation of Stanford-Binet test in Kannada (12)
- 1106 Hindi Mutanchen Buddhimapan, adaptation of Stanford-Binet test in Marathi (13)
- 1104 Hindustani Binet Performance Point Scale (10)
- 2611 Hindi Vocabulary Test (169)
- 2608 Hindi Yogyata Pariksha T.7 (166, R 488)
- 4303 History Achievement Test (179)
- 4304 History Achievement Test (180)
- 4301 History Attainment Test 1950 (177)
- 9302 Human Relationship in a Secondary School, an investigation to study (412)

## I

- 6603 Inductive Reasoning (283)
- 1101 Intelligence of the Children of the University Experimental High School Baroda, a survey of (7)
- 1602 Intelligence Test A (132)
- 1604 Intelligence Test B (135)
- 1601 Intelligence Tests A and B (131)
- 1207 Intelligence Test C (23)
- 1103 Intelligence Tests for Gujarati Children (9, R 434)
- 1235 Intelligence Tests for High School Students in Kannada for the Karnatak Region (53)
- 1233 Intelligence Test in Marathi (51)
- 8110 Interest Inventory (348)
- 8108 Interest Patterns of Adolescent Girls (346)
- 8106 Interest Patterns of High School Boys (344)
- 8107 Interest Patterns of Junior High School Boys (345)
- 8104 Interest Record : Part I Occupational. Part II Avocational. (338)
- 7201 Inventory for Predicting Teacher Efficiency (for Primary School Teachers of Mysore State), construction and standardization of (315)
- 9202 I. P. P. Personality Inventory Tests (384)
- 1229 I. S. P.-45, adaptation of (47)

J

- 2607 Jamia Achievement Test (Hindi Parikshan) (165, R 467)
- 5910 Jamia Achievement Test (for Senior Basic Schools) in General Science (247)
- 5708 Jamia Achievement Test (for Senior Basic Schools) in Mathematics (232, R 473)
- 4103 Jamia Achievement Test (for Senior Basic Schools) in Social Studies (176)

K

- 9222 Kishor Abhiyojan Prashnavali (410)
- 1421 K. N. P. I. (122)
- 8109 Kuder Preference Record, adaptation of (347)

L

- 7202 Librarianship Training Course Selection Battery (317)
- 6301 Literary Aptitude Test (262)

M

- 1401 Man-Drawing Test (Goodenough), adaptation of (94)
- 1236 Maratha Buddhimapan Patrika, 'Ma' and 'Ga' Forms (Intelligence Test, M and G Forms) (85, R 446)
- 3101 Marathi Recognition Vocabulary of Children (170)
- 1246 Marathi Reproduction Vocabulary of Pupils Who Have Completed Primary Standard IV (69)
- 5701 Mathematics Attainment Test, 1 (224)
- 5702 Mathematics Attainment Test, 2 (225)
- 5707 Mathematics Test (231, R 472)
- 1416 Matrices (115)
- 2408 Meaning Vocabulary Estimate (147)
- 2407 Meaning Vocabulary in English, estimate of (146)
- 2409 Meaning Vocabulary in English, estimate of (148)
- 6407 Mechanical Aptitude Test 361 (271)
- 6408 Mechanical Aptitude Test for Post-S. S. C. Student (272)
- 6401 Mechanical Comprehension Test (263)
- 6405 Mechanical Comprehension Test (Bennett), adaptation of (267)
- 6901 Minnesota Rate of Manipulation Test (Ziegler), adaptation of (303)
- 1303 Modified Form Board (Goddard) (92)
- 7203 M. Stat. Student Selection Battery (318)

## N

- 6106 Name Checking Test, 1290-a and 1260-b (257)
- 2684 N.G.T. Hindi Attainment Test 1957 (162)
- 1217 N.G.T.S. Intelligence Test (1957) in Hindi (35)
- 0009 N.I.E. Reading Readiness Test (428)
- 7101 N.I.I.P. (London) Non-Verbal Form Relations Group Test, adaptation of (306)
- 1406 Non-verbal Group Test of Intelligence 70/23 (N.I.I.P. London), adaptation of (101)
- 1420 Non-Verbal Intelligence Test (121)
- 5901 Non-Verbal Science Selection Test (Preliminary Edition) (237, R 474)
- 1405 Non-Verbal Space Test of Intelligence for 10 Plus to 16 Plus, B. P. S. T. (99)
- 1404 Non-Verbal Test 1 (Jenkin), T5, adaptation of (97, R 457)
- 1408 Non-Verbal Test 5 (Pidgeon), adaptation of (105)
- 1422 Non-Verbal Test of Intelligence, construction and standardization with special reference to Mysore State (123)
- 1252 Northumberland Mental Test 2, Marathi adaptation of (77)
- 6502 Numerical (278)
- 6504 Numerical Aptitude Test (280)
- 6503 Numerical Reasoning Test (279, R479)
- 1419 N.V.T.I. (Non-Verbal Test of Intelligence) (118, R459)

## O

- 5505 Objective Test in Geometry (218)
- 9207 Officer Quality Questionnaire (390)
- 5203 Orissa Group Test of Arithmetical Ability (197)
- 1232 Orissa Group Test of Intelligence (50)
- 6102 Orissa Test of Clerical Aptitude (252)
- 1251 Otis Self-Administering Test of Mental Ability (76)

## P

- 1253 Parsi Panchayat General Intelligence Test (78)
- 1230 Pathak Budhi Vikash (Pathak Development of Intelligence (48, R444)
- 9204 Personality Inventory for Teachers (387)
- 9203 Personality Inventory in Hindi (385)
- 9220 Personality Inventory, P.I. (408)
- 9108 Personality Traits Through T.A.T. Pictures, evaluation of (369)
- 9210 Personnel Preference Schedule (Edward), adaptation of (394)

- 5803 Physics Achievement Test (235)
- 9102 Picture Frustration Study for Children (Rosenzweig), Indian adaptation of (360, R 485)
- 7304 Predictive Battery of Differential Scholastic Aptitude (331,R481)
- 1102 Pre-School Children, standardization of a test for (8)
- 1407 Progressive Matrices Test (Raven), adaptation of (103)
- 1417 Progressive Matrices Test (Raven), item analysis of (116)
- 1225 P.R.W. Test 1 (43)
- 1224 P.R.W. Test 2 (42)
- 2401 P.R.W. Test 3 (140)
- 1223 P.R.W. Test 4 (41)
- 6101 P.R.W. Test 5 (251)
- 5703 P.R.W. Test 6, 7 (226)
- 1226 P.R.W. Test 8 (44)
- 1409 P.R.W. Test 16 (108)
- 1410 P.R.W. Test 17 (109)
- 1411 P.R.W. Test 18 (110)
- 1412 P.R.W. Test 19 (111)
- 1227 P.R.W. Test 20 (45)
- 1413 P.R.W. Test 24 (112)
- 2402 P.R.W. Test 25 (141)
- 1414 P.R.W. Test 26 (113)
- 1228 P.R.W. Test 27 (46)
- 1231 P.S.M. General Intelligence Test (49, R 445)
- 8101 P.S.M. Interest Inventory (335, R 482)

**H**

- 8105 Reading Interest of Marathi Speaking Boys and Girls at the Secondary School Stage (343)
- 6601 Reasoning Test, construction and standardization of (281)
- 7102 Revised Minnesota Paper Form Board Test (Lickert and Quasha), norms for (308)
- 7103 Revised Minnesota Paper Form Board Test (Lickert and Quasha), re-standardization of (309)
- 7106 Revised Minnesota Paper Form Board Test. Series AA (Lickert and Quasha), development of norms for (313)
- 9104 Rorschach Ink-Blot Test of Personality, adaptation of (363)
- 0008 Rote Memory (427)

**S**

- 1248 Sadharan Manasika Yogyata Pariksha, 1-60 (A Group Test of Intelligence in Hindi) (72, R 453)

- 1247 Sadharan Manasika Yogyata Pariksha, 2-60 (A Group Test of General Mental Ability in Panjabi) (70)
- 1259 Sadharan Manasika Yogyata Pariksha, development of norms for (86)
- 5909 Samanya Vigyan Yogyata Pariksha (246)
- 1260 Samoohika Buddhi Parikshan, development of norms for (88)
- 1237 Samoohika Buddhi Parikshan (Group Intelligence Test in Hindi) (57, R 447)
- 8201 Scale of Values in Hindi (354)
- 1257 Scholastic Aptitude Test (83)
- 6705 Scholastic Aptitude Test for College Students (295)
- 6703 Scholastic Aptitude Test for High School (293)
- 6704 Scholastic Aptitude Test for High School (294)
- 6701 Scholastic Aptitude Test for Medical School (Miss, Hunter and Hubbard), restandardization of (291)
- 6702 Scholastic Aptitude Test for Schools (292)
- 2610 Scholastic Attainment Test No. 8 (168, R 469)
- 5301 Scholastic Attainment Test (Chemistry) (211)
- 5206 Scholastic Attainment Test (Ganit No. 2) (200, R 470)
- 5804 Scholastic Attainment Test (Physics) (236)
- 5904 Scholastic Attainment Test (Samanya Vigyan) (240, R 476)
- 6801 Science Aptitude Test (297)
- 6804 Scientific Aptitude Test 1964 (307)
- 6803 Science Selection Battery (299)
- 6802 Scientific Aptitude Test (SAT), Forms A and B (298, R 480)
- 9116 Sentence Completion Test 361A, 362B, children's (377)
- 9117 Sentence Completion Test 161AM, 161AF, 661AD (378)
- 1423 Series Completion Test, Forms A and B (125)
- 6501 Shreni Vinyas Pariksha 1 (West Bengal Adaptation of DAT Numerical Reasoning) (277)
- 6602 Shreni Vinyas Pariksha 2 (West Bengal Adaptation of DAT Abstract Reasoning) (282)
- 6607 Shreni Vinyas Pariksha 3 (West Bengal Adaptation of DAT Verbal Reasoning) (290)
- 0006 Socioeconomic Status Scale, Forms A and B (424)
- 9303 Sociometric Study of Friendships in Schools (413)
- 9301 Sociometric Test, Children's 362 (411)
- 5201 Standardized Achievement Test in Arithmetic for High School Students (196)
- 1502 Stanford Binet Test of Intelligence, Scale L (Individual), Hindi adaptation of (129)
- 9118 Story Completion Test (379)



- 9211 Student Problem Checklist (396)
- 9219 Students' Problem Checklist (406)
- 0004 Study Habit Inventory (Wrenn), adaptation of (421)
- 0003 Study Habits Questionnaire (420, R 489)
- 9212 Svatva Sambodh Soochi (398)

T

- 9221 Teacher's Checklist of Pupil Behaviour (409)
- 7205 Teaching Aptitude Test (321)
- 5214 Test of Arithmetical Ability (209)
- 6107 Test of Clerical Aptitude (258)
- 1241 Test of General Intelligence (Verbal Intelligence Test) V. I. T. (63, R 450)
- 5704 Test of Mathematical Ability for the Delta Class (227)
- 2501 Test of Reading and Comprehension (155)
- 1238 Test of Social Intelligence (59)
- 9205 Tests of Temperament and Character (388)
- 9107 Thematic Apperception Test (Murray), adaptation of (367)
- 9109 Thematic Apperception Test II (370)
- 9110 Thematic Apperception Test III (371)
- 6902 Tweezer Dexterity Test (O'Connor), adaptation of (304)

U

- 6706 University Entrance Test (296)

V

- 9120 Vakya Poorti (381)
- 6604 Verbal Ability Test in Hindi (284)
- 1220 Verbal Group Test of General Intelligence 1959 (38)
- 1218 Verbal Group Test of General Intelligence (1958-59) in Hindi (36)
- 1208 Verbal Group Test of General Knowledge and General Intelligence 1958-1959 and 1960 (24)
- 1219 Verbal Group Test of General Knowledge and General Intelligence 1959 (37)
- 1206 Verbal Group Test of Intelligence (22)
- 1255 Verbal Group Test of Intelligence (81)
- 1256 Verbal Group Test of Intelligence (82)
- 1221 Verbal Group Test of Intelligence, 1960 and 1961 (39)
- 1215 Verbal Group Test of Intelligence for 15 Plus in Hindi; B.P.T. 9 (33)
- 1209 Verbal Group Test of Intelligence for 10 Plus in Hindi; B.P.T. 6 (25)
- 1210 Verbal Group Test of Intelligence for 12 Plus in Hindi; B.P.T. 12 (26, R442)



- 1211 Verbal Group Test of Intelligence for 13 Plus in Hindi B.P.T. 7 (28,R443)  
1243 Verbal Group Test of Intelligence for 14 Plus in Hindi, B.P.T. 8 (65)  
1214 Verbal Group Test of Intelligence for 16 Plus in Hindi, B.P.T. 10 (32)  
1249 Verbal Group Test of Intelligence for Adults in Hindi B.P.T. 11 (74)  
1213 Verbal Group Test of Intelligence for Class VIII in Hindi, B.P.T. 13, Form A (31)  
1216 Verbal Group Test of Intelligenc for Class VIII in Hindi, B.P.T. 13, Form B (34)  
1240 Verbal Intelligence Test (Test of General Intelligence), V.I.T.-1 (62, R 449)  
9103 Verbal Projection Test, VPT (362)  
6605 Verbal Reasoning Test (286)  
9206 Verbal Situation Test (389)  
1244 Vocabulary Test (67)  
7301 Vocational Counselling Test Battery (322)  
8103 Vocational Preference Record (337)  
9201 Vyaktitva Parakh Prashnavali (382)  
8202 Vyavasaya Ruchi Ki Anusoochi (355)  
8118 Vyavasayik Ruchi Ki Janch (353)

## W

- 9111 Word Association Test, WAT (372)  
9112 Word Association Test V (373)  
9113 Word Association Test VI (374)  
9114 Word Association Test 461 (375)  
9915 Word Chain Association Test 362, Children's (376)  
7302 Work Performance Test Battery (Swedish), adaptation of (225)  
9101 World Test, adaptation of (359)

## Y

- 9208 Youth Inventory (391)  
9209 Youth Problem Inventory (392)

## Index of Test Authors

- Agashe, Vatsala (5210)\*  
 Agnihotri, Sushil Kumar (5803)  
 Akhtar, S. Sultan (9213)  
 Aram, M., and Feroze, M. (5906, 5706)  
 Aram, M., and Rangaswamy, P. (2411, 4102)  
 Asthana, H.S. (9217)  
 Aziz, Fatima (2413)  
 B R. College of Education, Agra (2412, 5707)  
 Badrul Islam (2414)  
 Barathonia, C.K. (2607)  
 Basu, D., Chatterji, S., Mukerjee, Manjula (7203)  
 Bhardwaj, S. B. L. (8104)  
 Bhat Champa, L. (1258)  
 Bhat, S.R. (3101)  
 Bhatia, C.M. (1304)  
 Bhatnagar, Kailash Kumari (2611)  
 Bhatnagar, R.P. (8201, 9210)  
 Buch, M.B. (1238)  
 Bureau of Educational and Psychological Research, David Hare Training College, Calcutta (1207, 1601 to 1604, 2201, 5701, 5702, 6201, 6401, 6501, 6602, 6607, 6801, 9108, 9118, 9204, 0002)  
 Bureau of Educational and Vocational Guidance, Govt. of Andhra Pradesh Hyderabad (1222)  
 Bureau of Educational and Vocational Guidance, Govt. of Bihar, Patna (6104, 6108, 6503, 8109, 9214, 0004)  
 Bureau of Vocational and Educational Counselling, Calcutta (7301, 7303)  
 Central Bureau of Educational and Vocational Guidance, Department of Psychological Foundations, N.I.E., New Delhi (1259, 1260, 6109, 6803, 7106, 8112, 8202, 9123, 9211, 9212, 9221)  
 Central Institute of Education, Delhi (1202 to 1204, 1212, 1404, 1501, 2608)  
 Chatterji, S. (8111)  
 Chatterji, S. and Mukerjee, Manjula (7202)  
 Chaudhury, Narendra Singh (5505)  
 Chaudhury, S.K. Roy (5901)  
 Chaudhury, Uma (9106)  
 Chickermane, D.V. (5211)

---

\*Numbers refer to test number in Handbook.

- Chohan, Devakunwar K. (4302)  
Dalal, P.H. (9303)  
Daruwala, M.S. (2405)  
Das Gupta, S.K. (5908)  
Das, R.C., and Amanta, K.B. (8202)  
Das, R.C., and Das G.N. (1232)  
Das, R.C., and Dash, S.C. (5203, 6301)  
Das, R.C., and Khadanga, D.N. (6102)  
Dave, N.P. (1244, 2501, 2503, 5214)  
Dave, P.H. (2404)  
Dave, R.H. (6601)  
Department of Science Education, N.I.E., New Delhi (6804)  
Deasi, D.K. (5204)  
Desai, G.V. (5207)  
Desai, K.A. (1417)  
Desai, K.G. (1205)  
Desai, Sarojini D. (4402)  
Dogra, P.K. (2403)  
Doshi, C.J. (5801)  
Doshi, V.H. (5503)  
Dubey, C.P. (4101)  
Dutt, Santi (0001)  
Dwivedi, Tej Narain (5902)  
Eswara, H.S. and Rao, K. Seshagiri (1255)  
Gopal, D. (4103, 5708, 5910)  
Gorakhpur University, Department of Education, Gorakhpur (1242, 1416, 1418, 6502, 6603, 0008)  
Gupta, Prakash (5302)  
Institute of Vocational Guidance, Govt. of Maharashtra, Bombay (6105, 6405, 6606, 6701 to 6705, 6901 to 6903, 7103 to 7106)  
Iyer, Padma A. (6504)  
Jain, Kamak Suman (2407)  
Jai Prakash (9119, 9222, 0007)  
Jai Prakash, and Gupta, J.S. (5909)  
Jai Prakash, and Srivastav, R.P. (7205)  
Jalota, S. (1248)  
Jalota, S., and Singh, Indra Bhan (1247)  
Jayama, M.S. (7201)  
Jhingran, V.G. (8113)  
Joshi, A.J. (1239)  
Joshi, Devki (4304)



- Kamat, V.V. (1105, 1106)  
 Kapat, G.B. (1605)  
 Karkare, P.G. and Keskar, B.C. (9215)  
 Kasad, P.J. (4405)  
 Khan, M.Z. (1235)  
 Khuddus, Abdul (1206)  
 Kulkarni, K.V. (5201)  
 Kulkarni, M. and Naik, G.R. (1236)  
 Kulkarni, S.S. (9209)  
 Kundu, Ramanath (1421)  
 Kuppuswamy, B. (0006)  
 Leelma, B.S. (1256)  
 Lele, T.P., and others (1254, 6107, 6706)  
 Mahant, G.V. (5502)  
 Manovigyan Shala, Govt. of U.P., Allahabad (1208 to 1211, 1213 to 1221, 1243, 1249, 1302, 1405 to 1408, 1502, 2601 to 2606, 4301, 5202, 6402, 6403, 7101, 7102, 8103, 9101, 9104, 9105, 9107, 9111, 9203)  
 Manuel, N. Vedamani (0005)  
 Mascarenhas, J. (8110)  
 Mehrotra, Kirpavati (5213)  
 Mehta, Prayag (1237)  
 Mehtab Singh (5507)  
 Ministry of Defence, Psychological Research Wing, New Delhi (1223 to 1229, 1409 to 1414, 2401, 2402, 5703, 5101, 9109, 9110, 9122, 9113, 9206 9207)  
 Ministry of Labour & Employment, Directorate General of Employment and Training, New Delhi (6103, 6404, 6406)  
 Mitra, S.K. (1423, 6106)  
 Mitra, S.K., and others (9114 to 9117, 9301)  
 Mohsin, S.M. (1240, 1241, 2610, 5206, 5301, 5804, 5904, 6802)  
 Murthy, M. Parashini (5506)  
 Muslim University Educational and Vocational Guidance Centre, Aligarh, (9219, 0003)  
 Nafde, G.H. (1419)  
 Nair, Ravindra (8108)  
 Nigaon, Bhishma Pratap (8107)  
 Otis, Arthur S. (1251)  
 Ovaize, M.A. (5303)  
 Oza, A.P. (5103)  
 Paknikar, K.K. (1233)  
 Pal, Kanti (2406)



- Panwala, M.K. (1303)  
Pareek, Udai (9102)  
Parikh, Jayendra C. (6408)  
Parikh, R.C. (5903)  
Patel, B.C. (1301)  
Patel, G.N. (5802)  
Patel, P.D. (1401)  
Pathak, A.K. (1230)  
Phatak, Pramila (1402)  
Pradhan, A., Mishra M.M., and Mitra, S.K. (6407)  
Prantiya Shikshan Mahavidyalaya, Vocational Guidance Bureau, Jabalpur (8101)  
Premalatha, M.G. (1422)  
Priyamvada, Manohar (8105)  
Puri, Prabha (5205)  
Qadri, A. Jamil, and Guidance Unit (9216)  
Qadri, A. Jamil, Siddiqi, Saeed Ahmad, and Akhtar, S. Sultan (1420)  
Qadri, A. Jamil, Akhtar, S. Sultan, and Jafri, Feroze (9218)  
Raj Laxmi (2408)  
Rao, K.G. Rama, and Dani, S. K. (1231)  
Rastogi, Girish (2409)  
Rastogi, Pratibha (5104)  
Rastogi, Prema (2609)  
Raval, P.T. (9208)  
Rawat, D.S. in Collaboration with the Reading Project Team, N.I.E. (0009)  
Reddy, D. Chandra (5705)  
Rice, C.H. (1104)  
Rohila, P., Shrama, V.M., and Sharma, Vijay (6604)  
Roy, Kamla (4404)  
Roy, K.K. (9202)  
Ruthquist, M. (7302)  
Samant, B.B. (1234)  
Samarth, N. (1252)  
Samartha, Nirmala (1245)  
Sataya Murthy, M.S. (4403)  
Satyananda, Chinnamma (1201)  
Saxena K.N. (5907)  
Saxena, M.S.L. (9201)  
Saxena, Suresh Chandra (5905)  
Seolekar, U.R. (1246)  
Sethna, Jerbanu (1102)  
Shah, B.L. (1101)

- Shah, C.G. (5601)  
Shah, D.A. (5105)  
Shah, G.B. (5704)  
Shah, M.M. (5101, 5209, 7204)  
Shah, N.K. (1403)  
Shah, N.N. (5208)  
Shanmugam, T.E. (9103, 9220)  
Sharma, A. (6409)  
Sharma, K.N. (6605)  
Sharma, M.P. (4303)  
Shrimali, P.L. (1415)  
Shukla, Malti (0007)  
Shukla, N.N. (1103)  
Sohan Lal (1250, 2410, 5215)  
Sohoni, B.K. (9205)  
Srivastava, Suresh Chandra (5504)  
Tambe, Narendra G. (4305)  
Thakar, R.S. (9302)  
Vaidya, M.R. (5101)  
Vakil, K.S. (2502)  
Valera, C.V. (5501)  
Verma, Chandra Kanta (8106)  
Verma, M. (7304)  
Vidya Bhushan (5212)  
Vij, Dev Raj (5508)  
Vocational Guidance Bureau, Parsi Panchayat Office Bombay (1253)  
Yoganarasimhia, Leelamma and Kantamani (1257)  
Zaberi, Khalique (4401)